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ABSTRACT

This document presents the President's review and annual report of the activities of the Rockefeller Foundation for 1973. Following an overall review of the activities, emphasis is placed on specific activities the Foundation is involved with, including: conquest of hunger, problems of population, university development, conflict in international relations, equal opportunity, cultural development, quality of the environment, and allied interests. Financial statements are included. (MJM)

THE PRESIDENT'S REVIEW AND ANNUAL REPORT THE ROCKEFELLER FOUNDATION 1973

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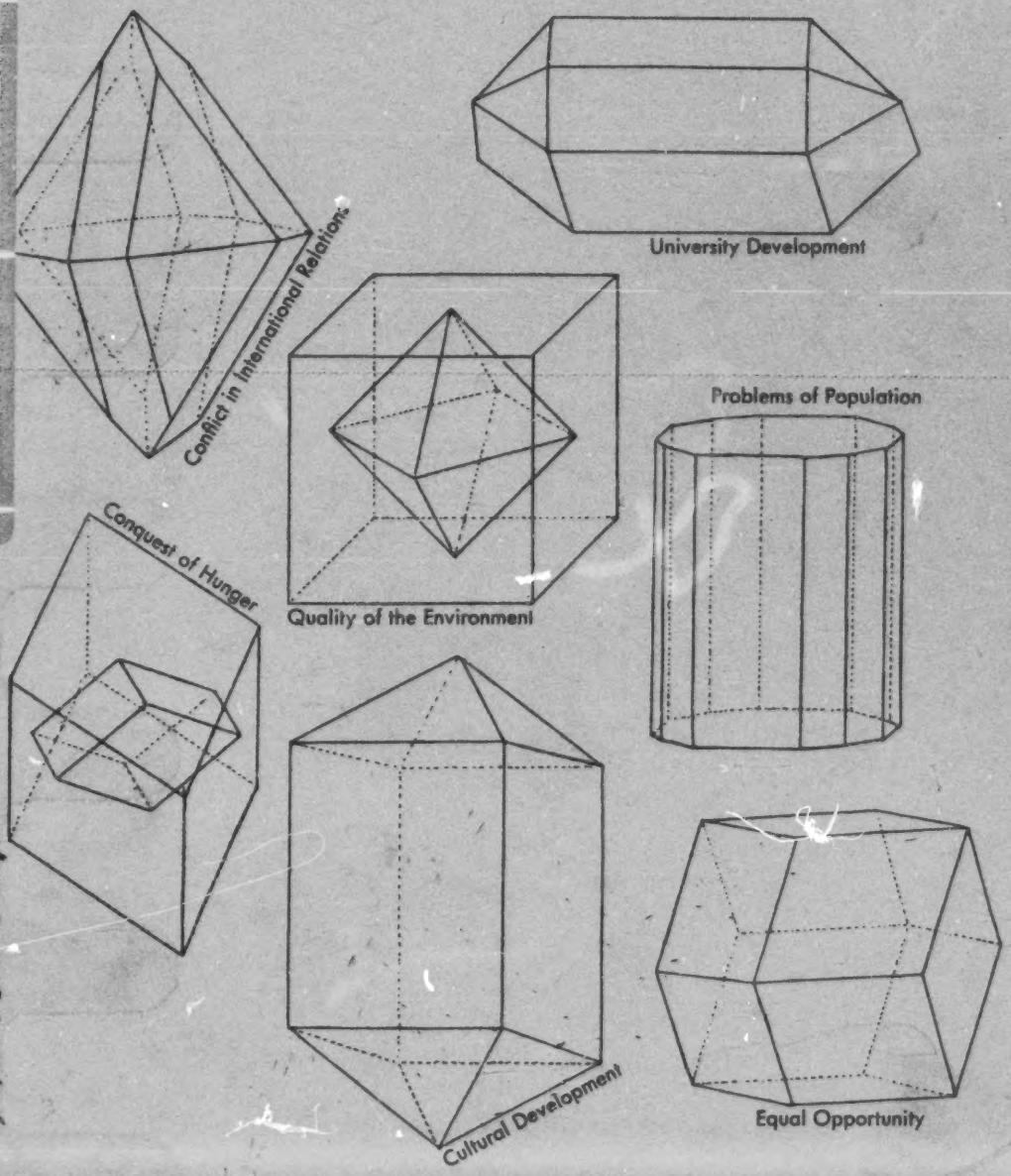

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THE PRESIDENT'S REVIEW AND ANNUAL REPORT 1973

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THE PRESIDENT'S REVIEW AND ANNUAL REPORT THE ROCKEFELLER FOUNDATION 1973

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ORGANIZATIONAL INFORMATION

MEETINGS

The annual meeting of the Corporation and a regular stated meeting of the Board of Trustees were held on April 4, a stated meeting of the Board was held on December 3 and 4, and a special meeting of the Board was held on September 19. Six regular meetings of the Executive Committee of the Trustees were held to take actions within the general policies approved by the Board.

TRUSTEES AND PRINCIPAL OFFICERS

John S. Dickey, President Emeritus and Bicentennial Professor of Public Affairs of Dartmouth College, retired as a Trustee, effective June 30. He was elected in 1947 and has served as a member of the Executive Committee, as Chairman of the Nominating Committee, and as Committee on Audit.

Frank Stanton, formerly President of the Columbia Broadcasting System and now Chairman of the American National Red Cross, also retired from the Board on June 30. He was elected in 1961 and has served as a member of the Executive and Finance Committees, and as Committee on Audit.

At the April meeting of the Corporation, Jane P. Cahill, Vice-President, Communications, International Business Machines Corporation, was elected a Trustee, effective July 1. Miss Cahill, a former White House Fellow, is a member of the Council on Foreign Relations and the Committee on Selection for the Rockefeller Public Service Awards.

Also at the April meeting, Lane Kirkland, Secretary-Treasurer of the AFL-CIO, was elected a Trustee, effective July 1. Mr. Kirkland is President of the Institute of Collective Bargaining and Group Relations, a member of the Presidential Commission on Financial Structure and Regulation, and a Director of the Associated Councils of the Arts.

Kenneth Wernimont, Vice-President for Administration since 1963, resigned from that position effective December 31; he will remain at the Foundation as Assistant to the President until June 30, 1974, at which time he has requested early retirement. Mr. Wernimont joined the staff in 1952 and has served as Assistant Administrator for Agriculture, Assistant Director for Agricultural Sciences, Assistant Treasurer, and Treasurer.

At the May meeting of the Executive Committee, Ellsworth T. Neumann was elected Vice-President for Administration, effective January 1, 1974; he joined the Foundation as Assistant to the President on July 1, 1973. Dr. Neumann became a staff member of Massachusetts General Hospital in 1949 and served as its Assistant Director, its Executive Director, and, for twenty years, as its Administrator.

Kenneth W. Thompson, Vice-President since October 1961, resigned from the Foundation as of January 1, 1974. He has been appointed a part-time Consultant and will assist the officers responsible for the programs in University Development, Conflict in International Relations, and Cultural Development. He joined the staff in 1953 and has served as Consultant in International Relations, and as Assistant Director, Associate Director, and Director.

Howard Klein was elected Director for Arts at the February meeting of the Executive Committee. He joined the Foundation staff in July 1967 as an Assistant Director for Arts and since 1971 has served as an Associate Director for Arts and Humanities.

At the June meeting of the Executive Committee, John Maier, an Associate Director for Biomedical Sciences since May 1957, was elected Director, effective July 1. He joined the Foundation in 1940 as a research staff member of the International Health Division Laboratories at the Rockefeller Institute. He also worked on malaria research in Venezuela and Sardinia, served in the Paris Office, and headed the emergency program for Hungarian refugees in 1959-1960. He was appointed an Assistant Director in 1955.

THE PRESIDENT'S REVIEW

A YEAR OF REVIEW

HARD TIMES, HARD QUESTIONS

> *Pride goeth before a fall. All our efforts will promote only disaster if they are not done in the humility appropriate to our ignorance, never forgetting that we have not made the earth nor the heavens above it. (Chester Barnard, Annual Report of the R.F.—1948.)*

The *process* of review is as important as the *purpose* of review. The questions are as important as the answers. Indeed, in the current age of numeracy and computerized cost-benefit analysis, the questions may be more important than the answers, which, even when they are available, have come from head, heart, and intuition.

The fact is that we are passing from an era of hard science into a time that is more concerned with the social sciences and human behavior, where there is a paucity of measurement and control. Although there will always be a desperate need for more knowledge and more technology, and granted that there is frighteningly little time available to the world for the solution of its problems, can technology alone provide solutions? Does technological progress bring about increased happiness? And how does one measure "happiness" and the "quality of life"?

REENTER THE HUMANITIES

Habits do not change as rapidly as techniques; as skill increases, wisdom may fade. And the ancient notion of wisdom has always been the concern of the humanities. The last two hundred years of Western civilization have seen a degradation of the value of wisdom. Today, even as more scientific knowledge and technologies are needed, a humanism based on the objective techniques of the social sciences and the subjective experience of the arts and humanities is desperately needed if life is to be *qualitatively* worthwhile.

Without some moral ordering of priorities on research and technical developments, both at home and abroad, there is every evidence that confusion, alienation, apathy, and conflict will increase and that life on this planet will degenerate—probably with a whimper, hopefully *not* with a bang.

SUPER-PHILANTHROPOID

Ideally, I suppose, the questions we have been asking ourselves during this year of review might best be formulated by an oracular superman who

combines the scholarly attributes of historian, economist, biologist, jurist, cultural anthropologist, artist, population expert, agricultural scientist, public health worker, educator, political scientist, theologian, and environmentalist with those activist attributes of the international financier, businessman, politician, and journalist. If, in addition, our superman could change the influence on his thought processes by the flick of a switch to "sex" (male or female), "color" (white, black, yellow, red), "religion" (Christian, Jew, Muslim, Buddhist, Hindu, atheist, animist), "ideology" (Liberal, Conservative, Communist, Monarchist), we might be able to encompass at least some of the major variables in our quest for how best to allocate the resources of The Rockefeller Foundation to "promote the well-being of mankind throughout the world." Our man would, of course, be expected to be a visionary, subject neither to complacency nor apocalyptic moods, but seized with at least a modicum of millenarianism.

LISTENING AND READING

The *process* of our review over the past year has involved us with all the intellectual and activist disciplines mentioned here as we have attempted to meet the question of how best to allocate finite resources to infinite ends. The review process is the strategy for clarifying our goals, setting priorities, establishing operational objectives, and providing for the feedback of continuous evaluation, while moving from the long-range to the immediate, from the general to the particular, and from the imprecise to the measurable.

Collectively (through committees) and individually, we have sought the advice of hundreds of people, both here and abroad—from public and private agencies, developed and less-developed countries, academic and free-standing institutions, singly and in groups, generalists and experts, scientists and humanists, men and women of affairs, and men with lean and hungry looks who sleep little o' nights.

In addition to these countless consultations, we have reviewed written material from diverse sources—the reports of other foundations, analyses of the federal budget, transcripts of congressional hearings, and the deliberations of international bodies.

THE COMPLEAT FOUNDATION OFFICER

Knowing what questions to ask, whom to ask, what to read, and how to synthesize information and advice into understandable form: knowing when and how to time the display of information in terms of a coherent program that will generate understanding and support for the (potentially) unique functions and role of this Foundation—all this demands certain skills, knowledge, and experience that are difficult to acquire.

I believe that the best foundation officers have a distinct set of qualifications that are generally associated with a profession. The foundation officer is both expert (social, agricultural, or medical scientist, or humanist) and generalist, thinker and doer, intellectual entrepreneur, synthesizer and integrator of diverse information and knowledge. Such a person is more than the politician or dilettante (in the laudatory sense of both words), for he or she retains a deep scholarly interest in some established university discipline while adding the functions of integrating generalist, intellectual entrepreneur, and activist.

HISTORIC STRENGTHS OF FOUNDATION POLICY

A review of the Foundation's *style*, which can be defined as the capacity to reach one's ends with the least expenditure of energy, has helped to reinforce the framework within which we work. All human beings lapse into bad habits, take things for granted, pay only lip service to, or just plain forget certain institutional policies that deserve more attention; policies which have stood the test of time and facilitate the achievement of specific goals. I believe the following policies of The Rockefeller Foundation need reaffirmation and reinforcement.

WORKING AT THE ROOTS

The Foundation has focused on *causes* rather than effects; it has avoided fads and fashions. It has stressed the acquisition and transmission of knowledge through support of research and teaching/training programs to the exclusion of supporting services for the relief of human misery, as important as those are. However, the Foundation *has* been heavily involved in the *utilization* of knowledge; through experimental demonstration models, and I believe this will, and should, increase. For example, while we will continue to support certain areas of technical and scientific research in agriculture, we will give greatly increased attention to the problems of integrated rural development and the plight of the small farmer in the less-developed countries.

We have not asked ourselves whether the RF *should* continue its present programs in the developing countries, but rather *how much* of its efforts should be directed there, and to which countries and which problems they should be directed. I believe that at the very least the same proportion of our resource distribution should be maintained. More important, we should seek to widen our present cooperation with the major international banks and development agencies so as to compound our influence for the good. We can do this only if we maintain an energetic and sensitive staff of high quality, both in the field and in the New York offices. At the moment, we

have initiated new programs at the request of the governments of Indonesia, Brazil, and Zaïre, and are continuing established programs in Nigeria, Kenya, Tanzania, Colombia, Mexico, Thailand, and St. Lucia. Minimal programs but much goodwill exist in India, Turkey, and the Philippines. Finally, recognizing that the potential for conflict among nations is rising, the Trustees have authorized a new program entitled Conflict in International Relations (see pages 10-11 and 53-55).

HUMAN VS FINANCIAL RESOURCES

The Rockefeller Foundation is both a *granting* as well as an *operating* foundation, and this has strengthened its work. If one looks superficially at the major contributions of the Foundation over its more than sixty years of existence, one would have to conclude that the work of the field staffs in public health (the first thirty years) and agriculture (the next thirty years) was responsible for the most important successes. The RF's field staff has been and is characterized by its scientific and technical excellence, its sensitivity to people with diverse needs and cultures, its low visibility, and minimal presence.

The argument might then be made that *all* the resources of the RF should be deployed to direct operations through a much expanded field staff. But this could be countered with the results that have come from systematic grant-making, by the fellowship programs, by new institutions established, and existing ones strengthened.

On balance, a *small* field staff of high quality coupled with extensive grants to institutions and individuals seems to be the best method of operation.

A DOMESTIC FIELD STAFF?

But frequently during this period of review I have wondered why we have not been able or willing to try a similar combination of field staff and grants in the United States. The answers I have been given are that we don't need a domestic field staff because distances are small, the New York officers function as domestic field staff as well as granting agents, and that some organizations that presently work under RF grants might not welcome the change. This is understandable, but the question of a small domestic field staff, or of regional officers in the United States, deserves further study. It is interesting to me that The Rockefeller Foundation is more valued in India, Brazil, and Mexico than it is in our own country. Perhaps this is good, but the testimony leading to the Tax Reform Act of 1969 leads me to think that it is not. Minimal visibility in other countries has been matched by invisibility in the United States!

PROVEN STRATEGIES

In the developing countries, the *strategic cycle* of organizational and technical advice by professional program officers or field staff, followed by grants and an extensive program of study awards, and combined with or followed by institution-building, has been remarkably successful. It recognizes the ultimate, supreme value of educated and trained *individuals* to any society and reaffirms the fact that such individuals simply must have *institutions* if anything of quality is to endure. The final phase is the assumption of ongoing responsibility by the host government (or founding domestic group) coupled with the establishment of multilateral support, thereby allowing the Foundation to withdraw and apply its funds to other issues.

Nearly ten thousand men and women have been supported through the scholarship and fellowship program of The Rockefeller Foundation since its beginnings in 1917. If I had to name the one major contribution of greatest enduring value over the past sixty years I would have to point to the individuals encouraged and supported by study awards. I am of the carefully considered opinion that we should make more use of this mechanism in the United States, specifically in our programs in Equal Opportunity, Cultural Development, Quality of the Environment, Problems of Population, and Conflict in International Relations: I believe it is a means by which we can achieve maximal return of enduring value for minimal expenditure.

CONCENTRATION

The Rockefeller Foundation has been careful to focus over long periods of time on a few selected programs with well-defined goals. It has seldom been guilty of scatteration; it has maintained its integrity while resisting political pressures and passing fancies. In its contributions to public health and the medical sciences over its first thirty years, its wedding of the physical and natural sciences in its "middle period," its work in agriculture and the Green Revolution during the most recent thirty years, or in the Arts program over the past ten years—in all this the RF has maintained sharply focused programs which exemplify what a foundation should be. It has stuck to root causes and to the advance of knowledge.

Nevertheless, I believe we may be approaching the danger point as regards scatteration. On the international scene, what could be more important than economic development and improved nutrition through agriculture; the prevention of disease through public health; the stabilization of population; the reduction of illiteracy, ignorance, poor management, and unemployment through education; and the reduction of destructive conflict—for the sake of us all in an interdependent world? (Note that the

world spends $200 billion annually on arms and $8 billion for aid to developing countries!)

On the domestic scene, what is more important than equal opportunity for all, improving the quality of the environment, and the quality of life through the arts and humanities? I expect a cacophonous chorus of answers here on the subject of domestic priorities, such as the need for improved economic theory, the fairer distribution of wealth and income, and a revised welfare system; or the need for more and better public policy-makers and administrators; or the refinancing of the key institutions in the private sector (such as the private colleges and universities); or the special problems of women, or youth, or the elderly; or the problems of improving housing and transportation; or the need for a national health policy and improved delivery systems for health services; or the need to improve our system of government and its ability to plan; or the need for penal reform, the resolution of the drug problem, and so on. We have, in fact, reviewed each of these subjects and we have made an occasional grant in some. But, for a variety of reasons, including sticking to root causes and struggling to avoid spreading ourselves too thin, the presence of adequate support from the public sector, the presence of other foundations and their interests, we have not elected to make any of these concerns a major program of the Foundation, although we are continuing our study of some.

COMPOUNDING OUR INFLUENCE

I believe we must maintain and strengthen our domestic programs: unresolved issues remain in all of them. Yet our money power has been eroded both by inflation and by absolute increases in the costs of social and biological experimentation. This means that we must seek additional ways of compounding our influence through the quality of our work (and therefore our staff); by seeking new ways of becoming more visible and thus attaching more symbolic significance to our grants; new ways of influencing public policy and public recognition of problems; new ways of attracting other sources of money; new ways of turning over more rapidly our successfully supported experiments to other sources of support, both public and private; and new ways of working cooperatively with the various international agencies.

EVALUATION AND CRITIQUE

Rigorous evaluation of the appropriations we make to reach our stated goals is essential to improving the quality of our work. We are, however, in a particularly difficult position. First of all, we have to deal with widely differing paradigms. It is one thing to evaluate the goal of increased food

production, but quite another to evaluate improvement in the quality of life through support of the arts. Then, we must face the reluctance of many outside organizations and individuals to criticize us, to flog us with our failures, for fear of losing their welcome as future supplicants. (For every 550 successful grant applicants, there are over 7,000 turned down each year.) Finally, we deal with the complexities of multiple, interdependent variables that defy coherent analysis, and require the services of philosopher kings, presently in short supply. For instance: irrigation is good when it enhances crop production, but bad if it brings schistosomiasis, consolidation of small landholdings, mechanization with resulting unemployment, and rural-urban migration.

We need constant outside scrutiny and criticism. The general public too has every right and responsibility to criticize us, to be heard, and have an effect. The Trustees serve this function: their job is to set policy and represent the public interest in our work. There still remain a great many Americans who may have no view, or quite a different view, of us than we have of ourselves. It is they whom we are trying to reach, and are reaching through our new publication: RF Illustrated. In addition, through our new policy of opening our archives to any and all scholars and journalists—indeed, any interested groups or individuals with legitimate requests—we hope to enhance our exposure to constructive criticism and to achieve as high a level of accountability as possible.

GOVERNANCE

The role of the Trustees is a particularly important subject. They bear the ultimate responsibility for the quality of our work and the coherence of our means and ends. It was fashionable during the 1960's to criticize the faceless establishment, the men (and the absence of women) who governed universities, hospitals, schools, foundations, and businesses. Much of the criticism was justifiable, and much that was good emerged from the turmoil. During the past year, our own Trustees have given untold hours, freely and willingly, to the work of the Foundation. Each Trustee has offered much to the whole effort as well as contributing his and her own area expertise. Both the Chairman, Douglas Dillon, and I feel that the more active involvement of the Board is highly desirable.

WHERE WE CAME OUT:

Conquest of Hunger

The primary objective of The Rockefeller Foundation's Conquest of Hunger program is to accelerate rates of increase in food production in those countries where: yields per unit area are low and relatively static;

decreasing amounts of arable land per person are a cause of concern; the low income of rural people is a major barrier to improvement of standards of living and of national and social advance; and important national institutions need to be strengthened. Increased food production, however, is not an end in itself—it is the *means* to improved nutrition and health, and improved economic development, and these are the ultimate objectives of the program.

A related goal is to couple agricultural production on small farms with effective health care delivery and family planning programs, at costs the poorer nations can afford.

Still another objective is to identify new ways—such as aquaculture or production of single cell protein—by which growing world food needs may be met.

Recognizing the complexity and magnitude of the task ahead, the Foundation will seek to cooperate with other national, international and private organizations with similar concerns in devising new arrangements for more effective collaboration.

All of the before-mentioned objectives have another important goal: to buy time during which efforts toward stabilization of population growth may take effect.

Problems of Population

The primary emphasis will continue to be the acquisition of knowledge, its rapid transmission, and the institutionalization of research and training programs toward population stabilization and the improved delivery of health care. We will increase our efforts in public health abroad, emphasizing basic research in such diseases as schistosomiasis and trypanosomiasis, which affect literally hundreds of millions of people in tropical and semitropical areas. We are exploring the use of television in the regionalization of health services, and we are searching for opportunities to strengthen disciplines of tropical medicine and public health both in the United States and abroad. Most important, we have taken steps to bring a more active medical component into our other programs—nutrition within Conquest of Hunger, health within Quality of the Environment, the teaching of community medicine within University Development, and medical ethics within Cultural Development.

University Development

Our traditional University Development program will be continued in the less-developed countries, emphasizing the strengthening of institutions

that have the potential for serving as national or regional models. Particular attention has been given to the development of departments of agriculture, public health, medicine, and social sciences.

In addition, we will explore the interests of departments of education within universities. The problems of primary and secondary education in the less-developed countries become progressively more serious as their populations expand. Inordinately high attrition rates and inadequate curricula limit the number of qualified candidates for higher education. The universities are thus paralyzed by an inadequate learning foundation for their students. National needs cannot be adequately met unless national educational programs become the subject of intense study and improvement.

Another objective is the encouragement of university-based applied programs and extension activities on an experimental basis. When the university is developed to the extent that its departments are administered and staffed by its own people, such programs (which should be interdisciplinary in nature) will provide more rapid transmission of knowledge and skills to the real needs of the people. It will demonstrate that "ivory tower" excellence is not the sole objective of academic growth and development. Community needs and national problems *can* be addressed experimentally on an applied level by institutions of higher learning. A university's findings can be useful to other agencies responsible for developmental activities on a regional or national scale.

Conflict in International Relations

This new program will be directed toward the support of measures for the anticipation, avoidance, and resolution of conflicts that are likely to disrupt the international community, and the development of international institutions with greater capacity for dealing effectively with emerging issues of global interdependency. It underscores the reality that we live in an increasingly interdependent world and that the realization of other Foundation program objectives will depend to a large degree on the development of a more stable world order. The Conflict in International Relations program will seek to support:

• Institutions and organizations that have the capacity to carry out effective programs in the international relations–conflict resolution field. Particular attention will be given to projects analyzing the many issues and situations that have a high potential for generating destructive international conflict.

• Individuals whose previous background suggests that they would clearly benefit from a period of operational experience or ongoing research

as Rockefeller Foundation Fellows—in a program that would allow them to make further contributions to their fields.

• Task forces and study groups that have as their major purpose the identification of issues and programs in conflict avoidance.

• Efforts that are clearly aimed at encouraging the involvement in global affairs of civic and educational groups within the United States, and perhaps in some other nations as well. There is a pressing need for new educational efforts that will allow the individual to understand the complexities of an increasingly interdependent world, and encourage him to participate in the resolution of international conflict.

Equal Opportunity

The Foundation's primary objective in its Equal Opportunity program is to assist in the transformation of American institutions in order to make sure that the disadvantaged—specifically minority group members—are given equality of opportunity. Educational opportunities are absolutely central to this objective, and, either directly or through other organizations, we are presently supporting:

• The training of minority group individuals, through internships and other specially designed programs, for positions of responsibility and leadership.

• Community education/community development programs aimed specifically at involving a broad spectrum of community leaders in the development of their own skills; also opportunities for managing a wide range of pressing social problems, through educational and training programs.

• Policy-oriented research efforts that should provide guidance for alleviating some specific problems which confront the disadvantaged.

• Continuing explorations of unique opportunities in the equal opportunity field. The Foundation is giving specific attention to the plight of the disadvantaged in rural areas, and it is searching for new and effective ways to deal with the problems of institutionalized racism.

It is absolutely essential that The Rockefeller Foundation, with its long history of support to minorities, continue a vigorous and innovative program at a time when some other organizations have grown weary of such efforts and have reduced their support.

Cultural Development

The objectives of the Arts and Humanities programs can be summarized as follows:

• To stimulate significant work by creative artists.

• To broaden opportunities for their exposure and training.

• To engender acceptance of the creative artist; making the arts more central to general education is of primary importance.

• To promote increased international understanding through the Arts and the Humanities.

• In the Humanities, to increase both the number and quality of, and the opportunities for, persons working on problems of the human spirit. Support for the creative individual is of prime importance to this program.

• To enable humanistic scholars to extend their reach to new experiences and new dilemmas, and to encourage professionals in other fields to render explicit and critical the humanistic dimension of their own work.

• To make humanistic skills more accessible.

Quality of the Environment

The objectives of the program are to speed the identification and implementation of solutions to the more important and difficult national and international environmental problems, to create institutions which can deal with such problems effectively, and to establish valid grounds for increased public confidence that environmental abuses will be minimized. In accomplishing these objectives, a strategy has been developed that concentrates support in five areas:

• Testing the validity of a comprehensive, integrated, regional approach to environmental management within a defined geographic region (the Hudson Basin in New York State).

• Developing environmentally significant alternatives in the management of major pollutants, particularly the nutrients (nitrogen and phosphorus), pesticides, and heavy metals. This would include an improved understanding of their relationship to principal food chains.

• Assisting universities in their search for solutions to specific environmental problems that have major biological and/or social components, through the development of cooperative working relationships with state and federal agencies or other organizations.

• Assisting in the establishment of linkages among the world's institutions concerned with internationally important environmental problems—such as the quality of international waterways, transnational air quality, and environmental contamination by toxic substances.

• Developing an improved understanding of the nature and sources of public perceptions of environmental problems.

AND MOST IMPORTANT OF ALL

It has become obvious to all of us over the past year of intensive review that all our interests and programs are interrelated and interdependent:

increased food production and improved distribution will improve nutrition and health and enhance economic development which, in turn, will provide new resources with which to improve education in all its forms. All of which, in turn, will limit population growth—and allow further resources to be devoted to improving the quality of life by developing those institutions of health, education, welfare and social justice whose primary concern is the quality of living. A new concern for humanity, spawned by the knowledge of the interdependence of all people and nations, may bring new sanity to a troubled world which, while it roams the brink of hell, may yet find the causeway to peace.

Although the world will always need and value the expert and the professional, it demands new interdisciplinary approaches to problem-solving that recognize the interrelatedness and interdependence of all knowledge and of human welfare. In the microcosm of The Rockefeller Foundation, we are searching for new ways to bring our various experts into more fruitful tension with each other. We seem never to have enough time or money to do all the things we would like to do, and we live in a state of chronic frustration. The process of review and evaluation is a continuous one as we search for the best ways to use our limited resources to reach our goals. Our sixty-year history tells us that we have contributed something of value—and this drives us on.

What's past is prologue. Two favorite sayings express our mood at the moment: "It's later than you think!" and "The best is yet to come!"

JOHN H. KNOWLES, M.D.

December, 1973

THE ANNUAL REPORT

DEVELOPMENT OF THE INTERNATIONAL INSTITUTES

This system of eight institutes was greatly strengthened by continuing support ($35 million for 1974) from the recently formed Consultative Group on International Agricultural Research whose permanent members include the three sponsors (World Bank, United Nations Development Programme, Food and Agriculture Organization), the Inter-American Development Bank, the Asian Development Bank, the African Development Bank, the European Development Fund; and the governments of 13 nations: Australia, Belgium, Canada, Denmark, Federal Republic of Germany, France, Japan, Netherlands, Norway, Sweden, Switzerland, United Kingdom and the United States. Also members are the International Development Research Centre of Canada, the Kellogg Foundation, the Ford Foundation, and The Rockefeller Foundation.

The five major developing regions of the world participate in the group through representative countries named by the FAO for two-year terms. At present these countries are Argentina and Brazil for Latin America, Morocco and Nigeria for Africa, the Philippines and Thailand for Asia and the Far East, Egypt and Pakistan for the Middle East, and Israel and Rumania for Southern and Eastern Europe.

(The eight institutes are the International Rice Research Institute in the Philippines, the International Maize and Wheat Improvement Center in Mexico, the International Center of Tropical Agriculture in Colombia, the International Institute of Tropical Agriculture in Nigeria, the International Crops Research Institute for the Semi-Arid Tropics in India, the International Laboratory for Research on Animal Diseases in Kenya, the International Livestock Center for Africa in Ethiopia, and the International Potato Center in Peru.)

The Consultative Group also established and funded an International Board of Plant Genetic Resources which will complete the collection of crop germplasm which, despite the thirty-year interest of the RF in this work, is neither worldwide nor complete.

REGIONAL PROGRAMS

The Inter-Asian Corn Program, centered in Thailand, continued its advisory services to corn programs in south and southeast Asia.

The Middle East Wheat Improvement Project, headquartered in Turkey,

is intensifying its cooperation with researchers in southeastern Europe, which has similar wheat problems. A surveillance program is being developed to monitor wheat diseases in the North Africa, Middle East, and India region.

STRATEGIES FOR RURAL DEVELOPMENT

A grant to the University of California financed a joint study of the Puebla Project in Mexico by the University, CIMMYT, and the Postgraduate College of the National School of Agriculture at Chapingo, Mexico, in order to help generate other projects benefiting small farmers.

As part of the University Development programs in Brazil and Thailand, integrated rural development projects (discussed in the preceding essay) are planned to begin in 1974.

RESEARCH AND TRAINING PRIORITIES

The Foundation's interest in research on food legumes (a staple of diet in many developing countries) which began 10 years ago was strengthened by a cooperative grant for research on field beans involving Cornell University, CIAT, and other U.S. and Latin American centers. Other grants for studies of field beans were given to Hokkaido University in Japan and Michigan State University. The FAO was aided in publishing proceedings of a symposium on "Nutritional Improvement of the Food Legumes by Breeding."

Another source of food, one that is high in protein and which the RF has been promoting the production of for ten years, is that of fish. A new grant in which the Foundation will cooperate with a number of private and public agencies will seek to coordinate scattered efforts into one Program on Aquatic Resources in the Pacific. Not only basic research but training of villagers and technological assistance to fishermen will be involved.

A grant to the University of Minnesota's Economic Development Center will be devoted to reaching a better understanding of the techniques used in Japan to raise agricultural output per unit of land area to levels that are exceptionally high by world standards.

STUDY AWARDS

COLOMBIA

ALARCON MILLAN, ENRIQUE M.S., Cornell University, 1971. Plant Breeding. Appointed from Colombian Institute of Agriculture. Place of study: U.S.A. S-AGR

MARTINEZ RACINES, CESAR POMPILIO M.S., University of the Philippines, 1971. Plant Breeding. Appointed from Colombian Institute of Agriculture. Place of study: U.S.A. S-AGR

Rodriguez, Mario Santos B.S., National University of Colombia, 1969. Agronomy, Soils. Appointed from Cornell University/CIMMYT Project in International Agriculture. Place of study: U.S.A. S-AGR

EL SALVADOR

Zometa Merino, Carlos Alfredo B.S., University of Florida, 1970. Animal Nutrition. Appointed from University of El Salvador. Place of study: U.S.A. S-AGR

GUATEMALA

Alonzo Padilla, Freddy Rolando Ing.Agr., Monterrey Institute of Technology, 1972. Parasitology. Appointed from Institute of Science and Agricultural Technology. Place of study: Mexico. S-AGR

Arjona, Carlos Orlando Ing.Agr., San Carlos University of Guatemala, 1972. Pathology. Appointed from Ministry of Agriculture. Place of study: Mexico. S-AGR

Martinez Rodas, Romeo M.S., Cornell University, 1971. Agronomy. Appointed from San Carlos University of Guatemala. Place of study: U.S.A. S-AGR

Schmoock Pivaral, Werner Jorge Ing.Agr., San Carlos University of Guatemala, 1971. Agronomy. Appointed from Institute of Science and Agricultural Technology. Place of study: Mexico. S-AGR

HONDURAS

Contreras, Mario Ruben M.S., Cornell University, 1973. Plant Pathology. Appointed from Cornell University/CIMMYT Project in International Agriculture. Place of study: U.S.A. S-AGR

INDONESIA

Joedoro Soedarsono Ir., Gadjah Mada University, 1963. Soil Science. Appointed from Gadjah Mada University. Place of study: U.S.A. S-AGR

Nursamsi Pusposendjojo Ir., Gadjah Mada University, 1970. Plant Pathology. Appointed from Gadjah Mada University. Place of study: U.S.A. S-AGR

Oetoyo Atmosudirdjo Ir., Gadjah Mada University, 1970. Economic Entomology. Appointed from Gadjah Mada University. Place of study: U.S.A. S-AGR

Osman, Huco Dr.Vet.Med., Gadjah Mada University, 1966. Animal Husbandry. Appointed from Ministry of Agriculture. Place of study: U.S.A. S-AGR

Soekanto Lebdosoekojo, R. M.S., Kansas State University, 1966. Animal Nutrition. Appointed from Gadjah Mada University. Place of study: U.S.A. S-AGR

KENYA

Muchiri, Manasseh Ndungu Vet.Sur., College of Agriculture, Poland, 1972. Veterinary Science. Appointed from Ministry of Agriculture. Place of study: U.S.A. S-AGR

MALAYSIA

Sivanaser, Murugesu B.Sc., University of Malaya, 1965. Agronomy. Appointed from Department of Agriculture. Place of study: Philippines. S-AGR

MEXICO

ARANDA HERRERA, ENRIQUE M.S., Monterrey Institute of Technology, 1971. Economic Entomology. Appointed from Monterrey Institute of Technology. Place of study: U.S.A. S-AGR

BYERLY MURPHY, KEIR FRANCISCO M.S., National School of Agriculture, 1969. Entomology. Appointed from National Institute of Agricultural Research. Place of study: U.S.A. S-AGR

ESPARZA-BORGES, HEBERTO-JAVIER M.S., University of California, Davis, 1966. Veterinary Science. Appointed from National Institute of Livestock Research. Place of study: U.S.A. F-AGR

NAVARRO, ALFREDO R. M.Sc., Monterrey Institute of Technology, 1973. Plant Breeding. Appointed from Monterrey Institute of Technology. Place of study: U.S.A. S-AGR

ORTEGA MARTINEZ, ENRIQUE I. B.S., National Polytechnic Institute, 1969. Biochemistry. Appointed from CIMMYT. Place of study: U.S.A. S-AGR

NIGERIA

OLAYIWOLE, MICHAEL B. M.Sc., Kansas State University, 1971. Ruminant Nutrition. Appointed from Ahmadu Bello University. Place of study: U.S.A. S-AGR

PERU

CALDERON, GUIDO A. Ing.Agr., La Plata National University, 1964. Wheat Breeding. Appointed from Ministry of Agriculture. Place of study: Mexico. S-AGR

SENMACHE, JOSE MANUEL Ing.Agr., Northern Agricultural University, 1969. Entomology. Appointed from Ministry of Agriculture. Place of study: Mexico. S-AGR

THAILAND

THANOM DAO-NGARM M.Sc., Indian Agricultural Research Institute, 1965. Soil Science. Appointed from Ministry of Agriculture. Place of study: U.S.A. T-AGR

THONGCHAI TONGUTHAISRI M.Sc., University of Wales, 1969. Plant Breeding. Appointed from Ministry of Agriculture. Place of study: U.S.A. S-AGR

TURKEY

CELIK, NECATI B.S., Ankara University, 1963. Plant Pathology. Appointed from Wheat Research and Training Center. Place of study: U.S.A. S-AGR

UNITED STATES

GALT, DANIEL LEE M.P.A., Princeton University, 1973. Agricultural Economics. Appointed from Cornell University/CIMMYT Project in International Agriculture. Place of study: U.S.A. S-AGR

GRANTS AND PROGRAMS

The first column shows all grants and programs announced in 1973. The second column shows all expenditures in 1973 including expenditures on prior years' grants.

	GRANTS AND PROGRAMS	EXPENDITURES
International Cooperative Programs		
Field Staff	$1,074,600	$ 800,951
International conferences	59,500	
Production and distribution of publications	23,200	33,938
AUSTRALIA		
Australian National University		
Development of high-lysine rice and wheat		14,720
BRAZIL		
Fellowships and scholarships	7,050	24,242
CANADA		
University of Waterloo		
Schistosomiasis research		26,260
CEYLON		
Fellowships and scholarships	4,000	6,640
CHILE		
Fellowships and scholarships	7,400	15,210
COLOMBIA		
International Center of Tropical Agriculture (CIAT)		
Cooperative program with the Institute of Agricultural Science and Technology in Guatemala	84,057	72,057
Completion of headquarters facilities	490,570	1,725,226
General support	682,000	682,000
University of Valle		
Improvement of protein quality in food plants in cooperation with the Colombian Institute of Agriculture and CIAT	28,000	5,880
Fellowships and scholarships	114,010	99,635
COSTA RICA		
Inter-American Institute of Agricultural Sciences		
Latin American Association of Plant Science, Secretariat support		5,000
ECUADOR		
Cooperative program		
Ecuador Agricultural Project	3,000	4,002

National Agricultural Research Institute		
Program in crop and animal improvement		15,810
Fellowships and scholarships	8,490	4,028
EL SALVADOR		
Foundation for the Development of Cooperatives		
Increase of productivity of small farmers	17,585	17,737
Fellowships and scholarships	24,340	17,157
ETHIOPIA		
Fellowships and scholarships	31,435	40,115
GUATEMALA		
Fellowships and scholarships	32,370	15,896
HONDURAS		
Honduran Popular Cultural Action Program		
Training of paraprofessionals in its Agricultural Education Program	15,000	15,000
Pan American School of Agriculture		
Improvement of three-year diploma program	88,945	88,945
Fellowships and scholarships	7,890	2,465
INDIA		
Cooperative program		
Indian Agricultural Program		76,899
Fellowships and scholarships	4,640	14,790
INDONESIA		
Fellowships and scholarships	69,950	24,223
ISRAEL		
Hebrew University of Jerusalem		
Preparation of a handbook on construction of micro-catchment systems	12,500	6,250
ITALY		
Conference on Trypanosomiasis and East Coast Fever held at Bellagio Study and Conference Center	20,000	13,326
United Nations Food and Agriculture Organization		
Printing of proceedings of the symposium on "Nutritional Improvement of the Food Legumes by Breeding"	6,000	6,000
Training of Middle Eastern wheat specialists		70,908
University of Saint Thomas Aquinas		
Center for Social Training and Action	15,000	15,000

JAPAN		
Hokkaido University		
Field bean research	4,500	4,600
Kihara Institute for Biological Research		
Wheat and rice research		4,480
KENYA		
Animal disease laboratory	100,000	10,640
East African Agriculture and Forestry Research Organization		
Sorghum research—refund		(2,670)
International Centre of Insect Physiology and Ecology		
Research on the tsetse fly	66,000	66,000
Fellowships and scholarships	16,790	11,176
LEBANON		
Fellowships and scholarships	13,640	290
MALAYSIA		
Fellowships and scholarships	5,990	1,134
MEXICO		
International Maize and Wheat Improvement Center (CIMMYT)		
General support	1,500,000	1,200,044
International Potato Center		11,128
Central American Corn Improvement Project—refund		(2,456)
Puebla Project	117,523	117,523
Staff assigned to Middle East Wheat Improvement Project	84,480	84,238
National School of Agriculture		
Special institutional grant	5,250	5,250
University of Sonora		
Research on agricultural systems and crop yields		28,078
Fellowships and scholarships	110,490	78,121
NIGERIA		
International Institute of Tropical Agriculture (IITA)		
General support	1,064,000	903,300
Fellowships and scholarships	15,700	12,001

PERU		
Fellowships and scholarships	17,380	27,013
International Potato Center (CIP)		
Operating costs of Mexican Regional Program	2,175	55,625
PHILIPPINES		
International Rice Research Institute (IRRI)		
General support	620,000	620,000
Improvement of productivity of marginal rice farmers	24,250	24,250
World collection of rice germplasm	23,200	32,200
University of the Philippines		
Special institutional grant	1,500	1,500
Fellowships and scholarships	9,830	6,910
SIERRA LEONE		
Njala University College		
Research on rural employment in Sierra Leone	16,000	
SUDAN		
Agricultural Research Corporation		
Wheat improvement program		5,346
TAIWAN		
Asian Vegetable Research and Development Center		
Mung bean research	25,000	25,000
THAILAND		
Chiang Mai University		
Malnutrition research	12,000	6,603
Cooperative program		
Inter-Asian Corn Program	58,900	34,317
Kasetsart University		
Mae Klong rural development project	35,000	
Study of the protein quality of rice—refund		(1,659)
Mahidol University		
Nutrition research	14,800	22,758
Research on aflatoxin-producing molds		5,668
Research on malnutrition and resistance to infection		7,261
Study of metabolic research units in the Western Hemisphere	3,100	3,100
Fellowships and scholarships	52,365	54,663

TURKEY		
Cooperative program		
Wheat Improvement Project in the Middle East	58,225	86,103
Fellowships and scholarships	37,605	29,976
UGANDA		
Fellowships and scholarships	3,700	8,667
UNITED ARAB REPUBLIC		
Fellowships and scholarships		3,857
UNITED KINGDOM		
England		
Overseas Development Institute		
Joint project with University of Reading to improve agricultural development institutions		15,000
Scotland		
University of Glasgow		
Immunological research	85,000	
UNITED STATES		
Arizona		
University of Arizona		
Research on agricultural systems and crop yields		105,100
California		
Stanford University		
Research on determinants of change in tropical African agriculture		14,600
University of California		
Berkeley		
Study of the effect on traditional agriculture of Puebla-type projects	21,000	21,000
Studies of insect pheromones and the control of insect pests	25,000	25,000
Davis		
Special institutional grant	7,500	7,500
Riverside		
Special institutional grant	3,750	3,750
Studies of insect pheromones	25,000	25,000
Wheat production research		14,270

Colorado		
Colorado State University		
Special institutional grant	6,000	6,000
Society for Range Management		
Program on range ecology and pasture management in Argentina	6,700	
District of Columbia		
American Freedom from Hunger Foundation		
Leadership training	15,000	15,000
Andean Foundation		
Program to strengthen marginal farmer groups in the Andean region	15,000	15,000
Center for Community Change		
Establishment of an education division	15,000	15,000
National Academy of Sciences		
Operation of its agricultural board	20,000	20,000
Study of agricultural efficiency in the United States		25,000
Florida		
American Agricultural Economics Association		
Review of U.S. training and research in the economics of agriculture in developing countries	15,000	
University of Florida		
Special institutional grant	3,750	3,750
University of Miami		
Special institutional grant	1,500	1,500
Georgia		
Southern Regional Council		
Study of Charles K. Mann: "Taste, Technology, and the Government"	7,850	7,850
University of Georgia		
Special institutional grant	1,500	1,500
Hawaii		
East-West Center		
Study of fisheries-related problems of the Pacific region		4,800
University of Hawaii		
Special institutional grant	1,500	1,500

Illinois		
University of Chicago		
Research on economic effects of varying agricultural policies		11,126
University of Illinois		
Research on a livestock parasite	250,000	
Research on sorghum plant crosses	14,000	14,000
Special institutional grant	3,000	3,000
Indiana		
Indiana University		
Research on infant mortality in underdeveloped countries		12,150
Research on the relation between protein depletion and infant mortality in underdeveloped countries	14,265	14,265
Purdue University		
Special institutional grant	6,000	6,000
Iowa		
Iowa State University		
Special institutional grant	3,750	3,750
Kansas		
Kansas State University		
Research on broad cereal crosses	21,000	12,000
Louisiana		
Louisiana State University and Agricultural and Mechanical College System		
Special institutional grant	3,750	3,750
Massachusetts		
Harvard University		
Studies of insect growth regulators	85,000	85,000
Symposium on the origin of maize	1,600	1,600
Massachusetts Institute of Technology		
Establishment of an international nutrition center		75,447
Michigan		
Michigan State University		
Field bean research	51,000	51,000
Special institutional grant	3,750	3,750
University of Michigan		
Medical malacology program		28,186

Minnesota		
University of Minnesota		
Research on frost resistance in basic food crops		10,614
Research on Minnesota agriculture, 1880-1970	10,000	11,500
Research on small farming in Japan	12,800	11,506
Special institutional grant	4,500	4,500
Missouri		
Saint Louis University		
International Center for Research and Training in Nutritional Diseases, Chiang Mai, Thailand		25,189
University of Missouri		
Fourth International Wheat Genetics Symposium	20,000	20,000
Nebraska		
University of Nebraska		
Research on modification of tropical corn germplasm		16,925
Sorghum research		99,409
Special institutional grant	4,500	4,500
New York		
Agribusiness Council		
Conference on science and agribusiness in the 1970's	15,000	10,000
Citizens Commission for Science, Law, and Food Supply		
Program of research and analysis of the economic, legal, and health aspects of food additives	25,000	25,000
Columbia University		
Artificial upwelling project for fish breeding—refund		(2,168)
Cornell University		
Improvement of yield in dry beans	28,624	
Research on cold tolerance in maize		7,468
Research on insect-plant juvenile hormones	25,400	
Special institutional grant	7,500	7,500
Studies of insect pheromones and control of pests	25,000	
New York Botanical Garden		
Research with CIAT on problems of the Amazon Basin	484	
Rockefeller Foundation—New York program expenses	790,300	739,993
Rockefeller University		
Schistosomiasis research—refund		(1,379)
Tsetse fly research	27,550	

North Carolina		
North Carolina State University		
Rice blast disease research	10,000	10,000
Special institutional grant	2,250	2,250
North Dakota		
North Dakota State University		
Special institutional grant	1,500	1,500
Oklahoma		
Oklahoma State University		
Special institutional grant	3,750	3,750
Oregon		
Oregon State University		
Middle East Wheat Improvement Project	69,700	64,099
Special institutional grant	7,500	7,500
Rhode Island		
Gordon Research Conferences		
Conference on plant culture at the Bellagio Study and Conference Center		3,946
Texas		
Texas A & M University System		
Special institutional grant	3,750	3,750
Utah		
Utah State University		
Livestock research projects in the State of Zacatecas, Mexico		2,490
Virginia		
Virginia Polytechnic Institute		
Special institutional grant	2,250	2,250
Washington		
Washington State University		
Research on nutritional quality in cereal crops and legumes		15,000
Special institutional grant	1,500	1,500
Wisconsin		
Medical College of Wisconsin		
Project to breed corn resistant to insect attack	12,000	12,000

University of Wisconsin		
Center for Research on the Economic and Social Impact of Disease—refund		(666)
Research on the possible deleterious effects of high-lysine corn	8,500	
Study: "Microeconomic Decisions and the Long-Run Development of Agriculture"	6,831	
Special institutional *grant*	3,750	3,750
United States—General		
Fellowships and scholarships	21,380	4,445
Miscellaneous small payments or refunds each under $500		(302)
TOTAL	$8,935,509	$9,353,308

PROBLEMS OF POPULATION

Our efforts last year toward achieving a greater measure of worldwide population control and improved health were aimed chiefly at continuing and strengthening means already well under way and proven worthwhile while adding new ideas and engaging the work of new people.

For instance a third conference of governmental and international foreign aid societies was held at the Bellagio Center. At this meeting a small committee of experts was formed to provide agencies with up-to-date information during the year on the status of specific activities throughout the world.

The third year of worldwide competition for the Ford-Rockefeller awards in social science/legal research on population resulted in twenty-six awards, of which fourteen were by the RF, their subjects ranging from the effect of welfare payments on fertility to boy preference in Korea.

Three allocations related to population were made under a 1971 grant for support of research on unemployment and human resource utilization. Typical was one for a study of the relationship between fertility and work opportunities for women in Venezuela.

As always grants for primary and applied research in reproductive biology were a main thrust. Last year continued support was given to the Population Council's International Committee for Contraception Research. Investigation is being centered now on determining what size and shape of intrauterine device would provide highest protection against pregnancy with the least side effects. Those containing a chemical, usually a progestin, seem at present to offer the most promise. In all the committee has clinically tested 39 chemical compounds and 14 devices.

A group at Colorado State University was aided in a study of the corpus luteum in ewes. Since the corpus luteum is a cyclic ovarian structure responsible for the early maintenance of pregnancy, the possibility of inhibiting its function by chemical or immunological agents holds great promise for fertility control.

Three new basic science professorships in departments of obstetrics and gynecology were supported at Washington and Cornell universities and the University of Pennsylvania, bringing the total to ten. Seven special postdoctoral research fellowships in reproductive biology were awarded.

In the field of education and training, grants through various organizations were given for the incorporation of population education in primary and secondary schools here, and in medical schools abroad. A program for the training of nurses as providers of family planning services also received continued support.

STUDY AWARDS

UNITED STATES

DYM, MARTIN Ph.D., McGill University, 1969. Reproductive Biology. Appointed from Harvard University. Place of study: U.S.A. F-BMS-RB

GUNSALUS, GLEN Ph.D., Clark University, 1972. Reproductive Biology. Appointed from Clark University. Place of study: U.S.A. F-BMS-RB

LASLEY, BILL LEE Ph.D., University of California, Davis, 1972. Reproductive Endocrinology. Appointed from University of California, San Diego. Place of study: U.S.A. F-BMS-RB

MILLER, WILLIAM Ph.D., Cornell University, 1970. Reproductive Biology. Appointed from Walter Reed Medical Center. Place of study: U.S.A. F-BMS-RB

RICHARDS, JOANNE STEWART Ph.D., Brown University, 1970. Reproductive Biology. Appointed from University of Michigan. Place of study: U.S.A. F-BMS-RB

TSAI, ALBERT YUAN-MIAO M.D., University of Chicago, 1968. Reproductive Biology. Appointed from Johns Hopkins University. Place of study: U.S.A. F-BMS-RB

WARNOCK, DAVID H. Ph.D., University of Illinois Medical Center, 1969. Reproductive Biology. Appointed from Max-Planck Institute for Experimental Medicine. Place of study: U.S.A. F-BMS-RB

GRANTS AND PROGRAMS

The first column shows all grants and programs announced in 1973. The second column shows all expenditures in 1973 including expenditures on prior years' grants.

	GRANTS AND PROGRAMS	EXPENDITURES
International Cooperative Programs		
International conferences	$ 20,400	$ 7,253
Production and distribution of publications	8,400	16,528
ARGENTINA		
National University of Cordoba		
Research in reproductive biology		1,440
BELGIUM		
International Union for the Scientific Study of Population		
Research on population policies	10,000	10,000
BRAZIL		
Federal University of Bahia		
Study of utilization of human resources in urban-marginal areas of Northeast Brazil	23,000	23,000
Federal University of Ceara		
Study of human resource utilization in urban-marginal areas of Northeast Brazil	31,000	31,000
CANADA		
Queen's University		
Research in reproductive biology		47,800
CHILE		
Latin American Center of Demography		
Research on population policies		8,195
COLOMBIA		
University of the Andes		
Research on technology and employment	23,400	12,500
University of Valle		
Population studies		10,080
GHANA		
University of Ghana		
Study of cyclical labor migration in West Africa		500

INDONESIA		
University of Indonesia		
Teaching in family planning	7,500	11,892
IRAN		
Pahlavi University		
Teaching in population and family planning	14,200	8,854
KENYA		
University of Nairobi		
Migration survey in the Kisumu area to be used for population policy formulation	29,535	15,167
KOREA		
Ewha Womans University		
Teaching in family planning	7,500	15,000
Korean Institute for Research in the Behavioral Sciences		
Research on boy preference and family planning in Korea	40,500	40,500
MEXICO		
Colegio de México		
Demographic research		40,000
Research on population policies in Latin America		25,000
NIGERIA		
University of Ibadan		
All-African students' conference on population pressure	3,000	3,000
PERU		
Cayetano Heredia University of Peru		
Research in reproductive endocrinology	15,000	8,393
PHILIPPINES		
Children's Medical Center		
Study of midwives as motivators for family planning	12,000	12,000
Population Center Foundation		
Construction of headquarters facilities	500,000	500,000
Xavier University		
Studies in demography and population		6,102

THAILAND		
Mahidol University		
Research in reproductive biology		4,679
Research in reproductive immunology	11,800	7,800
UNITED KINGDOM		
England		
London School of Economics and Political Science		
Demographic training program		12,588
University of Bristol		
Research group in reproductive immunology		30,965
UNITED STATES		
California		
Rand Corporation		
Study of interrelationships of nutrition, child health and development, and fertility	214,430	91,321
Research on economic factors influencing family size		145,925
Regents of the University of California		
Development of a reproductive endocrinology center at the School of Medicine	1,500,000	
Salk Institute for Biological Studies		
Research in reproductive biology		149,656
University of California		
Berkeley		
Population studies		19,133
San Diego		
Research in reproductive biology		149,607
Special institutional grant	2,250	2,250
San Francisco		
Special institutional grant	1,500	1,500
Colorado		
Colorado State University		
Research in reproductive biology	300,000	52,305
Connecticut		
Center for Information on America		
Preparation of educational materials on population for use in secondary schools	25,000	25,000

District of Columbia		
Association of American Medical Colleges		
Regional seminars in Africa on family health		5,093
Center of Concern		
To promote the consideration of social justice in the development of a global population policy	15,000	15,000
Georgetown University		
Population studies		93,449
Pan American Health Organization		
Study of interrelationships of nutrition, child health and development, and fertility	385,570	93,356
Population Crisis Committee		
Educational materials for world population conference in August, 1974	25,000	25,000
Population Reference Bureau		
Latin American educational program		50,000
Resources for the Future		
Project on the socio-economic factors influencing population policy	24,500	24,500
Study of population resources and the environment in the less-developed nations	175,000	
The United States National Commission For UNESCO		
Preparation of education material on population	35,000	35,000
Georgia		
Emory University		
Teaching in family planning		8,000
Hawaii		
East-West Center		
Study of technology in a developing country—refund		(1,606)
University of Hawaii		
Conference on the teaching of family planning in schools of the health professions	25,000	25,000
Research on population and economics in Korea		9,250
Illinois		
Northwestern University		
Research in reproductive biology		200,000

University of Chicago		
Research in reproductive biology		39,872
Study of the economic factors influencing population growth		36,383
University of Illinois at Chicago Circle		
Research on the effect of welfare payments on fertility	27,500	22,965
University of Illinois at Urbana-Champaign		
Research on the effects of intra-urban population distribution on several social, psychological, and somatic pathologies	40,598	15,299
Special institutional grant	750	750
Maryland		
Johns Hopkins University		
Research in reproductive biology	35,000	35,000
Population studies		39,752
Schistosomiasis research	31,500	
Special institutional grant	750	750
Planned Parenthood Association of Maryland		
Population education in Baltimore schools	107,500	
Massachusetts		
Harvard University		
Center for Population Studies		97,801
Laboratory of Human Reproduction and Reproductive Biology	5,000	410,986
Program on population, maternal and child health, and nutrition conducted with the Ministry of Public Health in Haiti	16,000	
Research on the economics of zero population growth	13,129	13,129
Special institutional grant	1,500	1,500
Massachusetts Institute of Technology		
Study of politicization and demand-making behavior of low-income migrants to large cities	10,230	20,460
Michigan		
University of Michigan		
Study of rural population and family structure in the Philippines and Iran	36,200	39,896
Study of training of paraprofessionals in family planning services	6,000	6,000
Western Michigan University		
Research on the effects of the Immigration Act of 1965 on characteristics of immigrants in the United States	24,330	16,220

Missouri		
Washington University		
Research in reproductive biology	81,000	
Study of teaching of family planning in medical schools of the United States	12,250	12,250
New York		
Albany Medical College		
Family planning program		50,000
Association for the Study of Abortion		
Information programs	15,000	15,000
Columbia University		
Research in reproductive biology		101,878
Research on population and social order in American thought	20,000	10,000
Cornell University		
Family planning clinic	125,000	96,458
Research in reproductive biology	94,000	
Mount Sinai School of Medicine		
Post-partum follow-up		90,333
Planned Parenthood Federation of America		
Center for Family Planning		104,150
Family planning training program	90,000	83,510
Planned Parenthood of New York City		
Family Planning Training Center		88,000
Population Council		
International Committee for Contraceptive Development	500,000	
Technical Assistance Division and Fellowship Program		1,000,000
Rockefeller-Ford Program for Population Research		
Administrative expenses	25,000	7,715
Rockefeller Foundation—New York program expenses	492,100	263,633
Rockefeller University		
Researchers in reproductive biology		396,533
State University of New York at Buffalo		
Research on the influence of social and cultural factors on population growth	27,831	

Travelers Aid International Social Service of America		
Non-governmental organizations tribune to be held in connection with the world population conference in August, 1974	15,000	15,000
North Carolina		
Duke University		
Research on political determinants of national urban population growth policy in the United States	20,244	
University of North Carolina		
Carolina Population Center		26,977
Center for Research in Reproductive Biology	800,000	457,012
Cooperative program in population studies with Mahidol University		30,000
Study of function of university population centers		17,000
Study of the consequences of reproduction through a utility model of reproductive behavior	11,000	
Special institutional grant	1,500	1,500
Wake Forest University		
Research in reproductive immunology		17,970
Pennsylvania		
American Friends Service Committee		
Family planning programs	60,000	31,072
Pennsylvania State University		
Analysis of a Colombian family planning program		8,939
Research on financial incentives in fertility decision-making	11,870	9,496
Research in reproductive biology		52,500
University of Pennsylvania		
Research in reproductive endocrinology		23,000
Research in reproductive biology in Monell Chemical Senses Center		60,000
Research on population distribution and public preferences in suburban towns	44,005	
Research in reproductive biology	130,000	61,829
Training for family planning workers		7,900
Texas		
Baylor University		
Family planning program		24,700
University of Texas		
Population control research		39,965
Research in reproductive biology		33,198

Washington		
University of Washington		
Division of Family Planning and Education		105,678
United States—General		
Fellowships and scholarships	145,180	86,982
VENEZUELA		
Social Studies Center		
Research on women and work in a Caracas barrio	15,000	15,000
Miscellaneous small payments or refunds each under $500		(1,050)
TOTAL	$6,577,452	$6,369,866

UNIVERSITY DEVELOPMENT

Three grants during 1973 illustrate the several phases of the RF's program in higher education abroad. A grant to the Federal University of Bahia in Brazil initiated a university development program that is expected to continue for some years. On the other hand, a three-year grant carried the three universities in Thailand toward termination of Foundation involvement. However, this grant also provided funds for convening meetings of other possible donor agencies that may furnish additional support before and after 1976.

A grant was made to the University of Ibadan, with which the RF is also terminating its involvement, to initiate an outreach program in rural development.

A significant broadening of the entire University Development program was made at a conference convened by the RF at its Bellagio Center of heads of international assistance agencies and leaders from the developing countries. As a result, two important undertakings were initiated in which various assistance agencies including the RF will cooperate.

One is a study of universities in twelve Latin American countries to discover what are the effects of education on economic status, and what factors determine who gets how much education.

The other is being carried out by a working group of representatives from both developed and developing countries who are making first-hand investigations of representative universities in the developing countries of Asia and Africa as well as Latin America.

STUDY AWARDS

BRAZIL

LOUREIRO, SEBASTIAO A. M.D., University of Bahia, 1964. Preventive Medicine. Appointed from University of Bahia. Place of study: U.S.A. F-BMS

SOARES, FABRICIO VASCONCELLOS M.A., University of Southern California, 1965. Management and Administration. Appointed from Federal University of Bahia. Place of study: U.S.A. S-SS

COLOMBIA

BERMEO, DANIEL M.D., Universidad del Valle, 1964. Population Control. Appointed from Universidad del Valle. Place of study: U.S.A. F-BMS

CRUZ CARDONA, VICTOR EULER B.A., Our Lady of the Lake College, Texas, 1969. Language Teaching. Appointed from Universidad del Valle. Place of study: U.S.A. S-HUM

GARZON G., GUILLERMO M.S., Purdue University, 1968. Inorganic Chemistry. Appointed from Universidad del Valle. Place of study: U.S.A. S-BMS

MILLAN, JAIME M.S., Universidad del Valle, 1973. Physics. Appointed from Universidad del Valle. Place of study: U.S.A. S-BMS

VALDERUTEN, RAUL B.S., National University of Colombia, 1970. Agricultural Engineering. Appointed from Universidad del Valle. Place of study: U.S.A. S-BMS

VARGAS, RUBEN M.Sc., University of Puerto Rico, 1969. Physics. Appointed from Universidad del Valle. Place of study: U.S.A. S-BMS

INDONESIA

SARWONO PUSPOSAPUTRO M.A., Gadjah Mada University, 1971. History. Appointed from Gadjah Mada University. Place of study: United Kingdom. S-SS

KENYA

CALLEB, BENJAMIN O. M.S., University of Illinois, 1971. Applied Mathematics. Appointed from University of Nairobi. Place of study: U.S.A. S-BMS

CHEGE, FRED E. M.A., University of Nairobi, 1973. Agricultural Economics. Appointed from University of Nairobi. Place of study: U.S.A. S-SS

GATHUMA, JOSEPH MWANGI M.Sc., University of Nairobi, 1973. Veterinary Pathology. Appointed from University of Nairobi. Place of study: U.S.A. S-AGR

MANUNDU, MUTSEMBI B.A., University of Nairobi, 1973. Economics. Appointed from University of Nairobi. Place of study: U.S.A. S-SS

NYAGA, PHILIP NJERU B.V.Sc., University of Nairobi, 1973. Veterinary Microbiology. Appointed from University of Nairobi. Place of study: U.S.A. S-AGR

OMUSE, JOHN KARANI M.Sc., University of Nairobi, 1973. Veterinary Science. Appointed from University of Nairobi. Place of study: U.S.A. S-AGR

WASIKHONGO, JOAB B.A., Makerere University, 1972. Sociology. Appointed from University of Nairobi. Place of study: U.S.A. S-SS

WESONGA, WEKESA MOSES M.A., University of Notre Dame, 1972. Economics. Appointed from University of Nairobi. Place of study: U.S.A. S-SS

NIGERIA

AKEN'OVA, MICHAEL EGHOSA B.Sc., University of Ibadan, 1969. Plant Breeding. Appointed from University of Ibadan. Place of study: U.S.A. S-AGR

ANOSA, VICTOR D.V.M., University of Ibadan, 1972. Veterinary Pathology. Appointed from University of Ibadan. Place of study: United Kingdom. S-AGR

AROWOLO, CHRISTOPHER OLUSEGUN LL.B., University of London, 1965. Educational Administration. Appointed from University of Ibadan. Place of study: U.S.A. S-SS

EGUNJOBI, JAMES KOLAWOLE Ph.D., Victoria University of Wellington, New Zealand, 1967. Ecology. Appointed from University of Ibadan. Place of study: U.S.A. F-AGR

OLOWE, OLUKAYODE M.A., Indiana University, 1972. Sociology. Appointed from University of Ibadan. Place of study: U.S.A. S-SS

TANZANIA

BUBERWA, LAWRENCE GABRIEL B.Comm., University of Nairobi, 1971. Business Administration. Appointed from University of Dar es Salaam. Place of study: U.S.A. S-SS

RWEGASIRA, SALVATOR PETER K. B.Comm., University of Nairobi, 1972. Business Administration. Appointed from University of Dar es Salaam. Place of study: U.S.A. S-SS

SHUNDA, JOHN P. W. B.A., University of Dar es Salaam, 1971. Business Administration. Appointed from University of Dar es Salaam. Place of study: U.S.A. S-SS

THAILAND

BORNWORNSRI CHIRARATTANANON B.E., Chulalongkorn University, 1972. Economics. Appointed from Chulalongkorn University. Place of study: U.S.A. S-SS

CHIRA HONGLADAROM M.Sc., University of Wisconsin, 1970. Economics. Appointed from Thammasat University. Place of study: U.S.A. S-SS

CHIRAVAT SADAVONGVIVAD Ph.D., University of Pennsylvania, 1969. Pharmacology. Appointed from Mahidol University. Place of study: U.S.A. F-BMS

PICHAI KANIVICHAPORN M.A., Thammasat University, 1973. Economics. Appointed from Thammasat University. Place of study: U.S.A. S-SS

PRAIPHOL KOOMSUP M.A., Thammasat University, 1973. Economics. Appointed from Thammasat University. Place of study: U.S.A. S-SS

RADOM WONGNOM M.A., Thammasat University, 1968. Political Science. Appointed from Thammasat University. Place of study: U.S.A. S-SS

SIRIBHINYA BENYAJATI B.Sc., University of New England, Australia, 1972. Biology. Appointed from Mahidol University. Place of study: U.S.A. S-BMS

SOMCHAI CHANTSAVANG M.Sc., Kasetsart University, 1972. Animal Science. Appointed from Kasetsart University. Place of study: U.S.A. S-AGR

SUPOTE CHUNANUNTATHUM M.S., Louisiana State University, 1970. Economics. Appointed from Thammasat University. Place of study: U.S.A. S-SS

SURANANT SUBHADRABANDHU M.Sc., Canterbury University, New Zealand, 1970. Agronomy. Appointed from Kasetsart University. Place of study: U.S.A. S-AGR

SURIN PITSUWAN B.A., Claremont Men's College, California, 1972. Political Science and Middle Eastern Studies. Appointed from Thammasat University. Place of study: U.S.A. S-SS

TAVIVAT PUNTARIGVIVAT B.A., Thammasat University, 1972. Philosophy. Appointed from Mahidol University. Place of study: U.S.A. S-SS

UDOM CHANTHARAKSRI M.S., Mahidol University, 1972. Pharmacology. Appointed from Mahidol University. Place of study: U.S.A. S-BMS

UGANDA

BASHIME, DAVID RULIMBE M.Sc., Makerere University, 1972. Agronomy. Appointed from Makerere University. Place of study: U.S.A. S-AGR

MUGYENYI, MEDDI B.A., Makerere University, 1972. Political Science. Appointed from Makerere University. Place of study: U.S.A. S-SS

OBBO, CHRISTINE SALLY M.A., Makerere University, 1973. Anthropology. Appointed from Makerere University. Place of study: U.S.A. S-SS

ZAIRE

NZONGOLA, NTALAJA M.A., University of Kentucky, 1968. Political Science. Appointed from National University of Zaïre. Place of study: U.S.A. S-SS

GRANTS AND PROGRAMS

The first column shows all grants and programs announced in 1973. The second column shows all expenditures in 1973 including expenditures on prior years' grants.

	GRANTS AND PROGRAMS	EXPENDITURES
International Cooperative Programs		
Field Staff	$1,971,400	$1,726,145
International conferences	4,300	
Production and distribution of publications	8,400	

ARGENTINA		
Torcuato di Tella Institute		
Research on unemployment in Latin America		129,000
BRAZIL		
Cooperative programs		
Federal University of Bahia		
Program Center, operating expense	105,500	42,002
Visiting faculty	29,300	
Federal University of Bahia		
Staff and student housing at Cruz das Almas	10,000	
General support	195,000	38,104
Fellowships and scholarships	49,090	29,628
CANADA		
McGill University		
Visiting faculty assignments in Africa, Asia, and Latin America		34,500
University of Toronto		
Special institutional grant	5,250	5,250
CHILE		
Fellowships and scholarships		2,577
COLOMBIA		
Cooperative programs		
Cali Microbiology Laboratory		12,464
University of Valle		
Program Center, operating expenses	85,500	61,492
Visiting faculty		35,499
University of Valle		
Division of Engineering		
Equipment	45,000	3,837
Research	5,448	2,476
Teaching personnel	66,157	66,157
Division of Health Sciences		
Equipment	30,000	23,147
Research	8,064	9,538
Teaching personnel	100,801	100,801
Division of Humanities		
Equipment	10,000	13,069
Teaching personnel	8,446	8,446

Division of Sciences		
Equipment	45,000	42,928
Research	1,616	1,264
Teaching personnel	40,000	40,000
Divisions of Sciences, Health Sciences, Engineering, Humanities, and Social and Economic Sciences, supplies	180,000	126,365
Division of Social and Economic Sciences		
Personnel support	12,000	12,000
Faculty of Economics		907
Library materials for the developing graduate programs of the university	50,000	15,512
Microfilms of regional archives		4,056
Publication of a book on the history of the department of Valle del Cauca	1,800	1,800
Scholarships for graduate training	67,000	67,000
Staff member's seminar expenses		2,200
Study of postoperative home care vs. hospital care	2,010	
Fellowships and scholarships	282,538	180,424
INDIA		
Fellowships and scholarships	10,276	1,398
INDONESIA		
Cooperative programs		
Gadjah Mada University		
Program Center, operating expenses	45,400	30,696
Visiting faculty	68,900	16,705
Gadjah Mada University		
Costs of English language teaching unit	1,755	
Development of programs		11,189
Division of Sciences, equipment	7,800	
English language training—refund		(1,821)
Establishing the Institute of Population Studies	22,700	22,700
Establishing the Institute of Rural and Regional Studies	31,910	
Faculty of Agriculture		
Improvement of research facilities of the Upland Rice Research Institute	5,000	5,000
Faculty of Forestry		
Laboratory equipment		11,624
Institute of Population Studies		
Family planning survey	5,350	5,350
Participation by staff in developmental programs conducted by national and international institutions		20,000
Purchase of a vehicle	4,500	4,385
Staff housing	40,000	38,173
Study of problems of university development in Asia, Africa, and Latin America		800
Workshop in agricultural economics	4,355	4,355

Department of Chemistry		
Support of a fellowship and scholarship program for non-Nigerians	20,000	
Department of Chemistry and Agricultural Biology		
Research on cowpeas	8,370	8,370
Department of Economics		
Staff development		11,600
Department of Education and Political Science		
Staff development	18,000	18,000
Department of Political Science		
Research on social change, public policy, and national unity	19,290	19,290
Staff development	4,000	4,000
Department of Preventive and Social Medicine—refund		(2,258)
Faculty of Agriculture		
Visiting professorship		21,516
Faculty of Social Sciences		
Support	44,330	22,165
Pilot rural development project	157,294	46,449
Project entitled: "Food Production in Forestry Areas: an Economic Investigation"	7,800	
Research on improvement of beef cattle	3,750	3,750
Research on rural water supply in the Ibarara division of Ibadan province	7,210	6,541
Research on the tsetse fly	1,500	1,500
State University of New York at Stony Brook		
Study of computerizing admissions at the University of Ibadan	28,131	21,212
Study of trypanosomiasis in animals	21,216	
Fellowships and scholarships	289,889	223,354
Special institutional grant	1,500	1,500
PHILIPPINES		
Cooperative program		
University of the Philippines		
Program Center, operating expenses	5,000	7,610
University of the Philippines		
Maternal and child health program	19,388	19,388
School of Economics		
New research center	8,500	8,500
Scholarship, research, and library support	49,500	37,784
Fellowships and scholarships	117,599	132,358
TANZANIA		
Cooperative program		
Visiting faculty (University of Dar es Salaam)	62,000	43,069

University of Dar es Salaam		
Continuing and expanding regional activities of the Social Science Council of the Universities of East Africa	10,000	10,000
Departments of Economics and Sociology		
Teaching-through-research programs	14,490	7,245
Department of Economics		
Staff development	14,957	14,957
Department of History		
Research in southern Tanzania	5,320	5,320
Department of Management and Administration		
Salary of senior specialist	15,000	15,000
Departments of Political Science and History		
Development	12,880	6,440
Department of Sociology		
Appointment of a senior specialist	5,000	5,000
Department of Political Science		
Visiting appointment—refund		(1,681)
Staff development	10,413	10,413
Economic Research Bureau	25,450	48,950
Senior specialists to teach application of science and technology in development	3,814	3,814
Fellowships and scholarships	97,814	113,171
THAILAND		
Cooperative programs		
Universities in Bangkok		
Program Center, operating expenses	168,600	200,944
Visiting faculty	83,600	37,046
Kasetsart University		
Agricultural projects		86,715
Consultations and travel	5,000	5,000
Experiment station development		5,298
Research leadership positions	15,000	15,000
Support of graduate assistantships		18,238
Mahidol University		
Research equipment	101,000	77,223
Community health program		31,691
Faculty of Biology, equipment	50,000	680
Faculty of Science, equipment	141,200	107,705
International symposium on medical research and health education in Southeast Asia	100,000	11
Nursing program	30,000	1,557
Pharmacology program	24,350	18,546
Regional postdoctoral training program	50,000	50,000

Scholarship for an executive nurse to study in the United States	1,000	1,000
Special institutional grant	1,500	1,500
Study of graduate education centers	3,382	3,382
Thammasat University		
Faculty of Economics		
Graduate scholarship	19,100	19,100
Research on income distribution	8,000	8,000
Research project	47,500	47,500
Study grants to qualified candidates for M.A. study at the University of the Philippines	4,400	4,400
Faculty of Liberal Arts		
Research in Asian drama		4,305
Study of changes in the distribution of taxation in Thailand	1,731	1,731
Fellowships and scholarships	583,013	449,292
UGANDA		
Cooperative program		
Visiting faculty (Makerere University)		49,861
Makerere University		
Faculty of Social Sciences, teaching and research	15,000	15,000
Research, teaching, and graduate studies in political science	16,139	8,070
Support of the Faculty of Agriculture		2,809
Fellowships and scholarships	115,981	101,589
UNITED KINGDOM		
England		
University of London		
Special institutional grant	6,750	6,750
University of Sussex		
Assignment of scholars to universities abroad		49,802
Special institutional grant	750	750
University of Warwick		
Special institutional grant	1,500	1,500
UNITED STATES		
California		
Stanford University		
Assignment of scholars to universities abroad		11,771
Research on economic returns from farmer education in Kenya		11,500
Special institutional grant	7,500	7,500
University of California		
Berkeley		
Special institutional grant	12,750	12,750

Davis		
Assignment of scholars to universities abroad		75,738
Special institutional grant	1,500	1,500
Los Angeles		
Special institutional grant	6,000	6,000
Riverside		
Special institutional grant	4,500	4,500
Santa Barbara		
Research on crime in West Africa		7,482
University of Southern California		
Special institutional grant	1,500	1,500
Colorado		
University of Colorado		
Special institutional grant	1,500	1,500
University of Denver		
Assignment of scholars to universities abroad		9,250
Connecticut		
Yale University		
Assignment of scholars to universities abroad		15,676
Special institutional grant	4,500	4,500
District of Columbia		
Brookings Institution		
Education and economic development	20,040	
George Washington University		
Special institutional grant	3,000	3,000
Florida		
University of Florida		
Special institutional grant	6,000	6,000
Hawaii		
University of Hawaii		
Assignment of scholars to universities abroad		42,408
Special institutional grant	3,000	3,000
Illinois		
Northern Illinois University		
Special institutional grant	1,500	1,500

Northwestern University		
Fellowship operations		16,860
Special institutional grant	2,250	2,250
University of Chicago		
Special institutional grant	4,500	4,500
University of Illinois		
Special institutional grant	12,000	12,000
Indiana		
Indiana University		
Special institutional grant	7,500	7,500
Purdue University		
Special institutional grant	3,000	3,000
University of Notre Dame		
Assignment of scholars to universities abroad		41,485
Iowa		
Iowa State University		
Special institutional grant	3,750	3,750
University of Iowa		
Assignment of scholars to universities abroad		38,446
Special institutional grant	750	750
Louisiana		
Louisiana State University		
Special institutional grant	4,500	4,500
Maryland		
Johns Hopkins University		
Special institutional grant	6,000	6,000
Massachusetts		
Brandeis University		
Special institutional grant	1,500	1,500
Clark University		
Special institutional grant	750	750
Harvard University		
Special institutional grant	6,000	6,000

Massachusetts Institute of Technology		
Assignment of scholars to universities abroad		20,885
Special institutional grant	7,500	7,500
University of Massachusetts		
Special institutional grant	3,000	3,000
Williams College		
Assignment of scholars to universities abroad		27,562
Michigan		
Michigan State University		
Special institutional grant	7,500	7,500
Study of scientific communities in India, Indonesia, and the Philippines	10,744	
University of Michigan		
Assignment of scholars to universities abroad		77,404
Special institutional grant	7,500	7,500
Minnesota		
Mayo Foundation		
Special institutional grant	1,500	1,500
University of Minnesota		
Assignment of scholars to universities abroad		53,226
Special institutional grant	5,250	5,250
Missouri		
University of Missouri		
Special institutional grant	750	750
Nebraska		
University of Nebraska		
Special institutional grant	2,250	2,250
New Hampshire		
Dartmouth College		
Special institutional grant	1,500	1,500
New Jersey		
Princeton University		
Assignment of scholars to universities abroad		23,548
Special institutional grant	4,500	4,500
New York		
Columbia University		
Special institutional grant	5,250	5,250

Cornell University		
Cooperation with the University of the Philippines in the humanities and social sciences		55,467
Dr. J. K. Loosli to continue as visiting professor, Faculty of Agriculture, University of Ibadan, Nigeria	28,259	
Faculty and student exchange program between its medical college and the medical faculty of the University of Bahia, Brazil	25,000	25,000
Special institutional grant	12,000	12,000
International Council for Educational Development		
Study of higher education for development	85,000	29,000
Research Foundation of the State University of New York		
Special institutional grant	1,500	1,500
Rockefeller Foundation—New York program expenses	727,400	884,951
Syracuse University		
Special institutional grant	6,000	6,000
University of Rochester		
Special institutional grant	3,000	3,000
North Carolina		
Duke University		
Special institutional grant	750	750
Visiting faculty assignments in Africa, Asia, and Latin America		11,008
North Carolina State University		
Special institutional grant	2,250	2,250
University of North Carolina		
Special institutional grant	1,500	1,500
Ohio		
Ohio State University		
Special institutional grant	1,500	1,500
Oklahoma		
Oklahoma State University		
Special institutional grant	1,500	1,500
Oregon		
Oregon State University		
Special institutional grant	1,500	1,500
University of Oregon		
Research on urban behavior in Kenya	6,048	
Special institutional grant	1,500	1,500

Pennsylvania		
Temple University		
Special institutional grant	1,500	1,500
University of Pennsylvania		
Special institutional grant	10,500	10,500
University of Pittsburgh		
English language program at universities in Thailand		35,259
Special institutional grant	11,250	11,250
Rhode Island		
Brown University		
Special institutional grant	3,000	3,000
University of Rhode Island		
Special institutional grant	1,500	1,500
Tennessee		
University of Tennessee		
Exchange program with the Faculty of Medicine of the University of Valle, Colombia—refund		(1,445)
Special institutional grant	750	750
Vanderbilt University		
Special institutional grant	1,500	1,500
Texas		
Rice University		
Special institutional grant	1,500	1,500
Southern Methodist University		
Special institutional grant	1,500	1,500
University of Texas		
Special institutional grant	750	750
Utah		
Utah State University		
Special institutional grant	1,500	1,500
Virginia		
University of Virginia		
Assignment of scholars to universities abroad		19,019
Washington		
University of Washington		
Assignment of scholars to universities abroad		40,333
Special institutional grant	2,250	2,250

Wisconsin		
University of Wisconsin		
African appointments		11,425
Assignment of scholars to universities abroad		8,742
Special institutional grant	6,750	6,750
Fellowships and scholarships	9,790	3,090
ZAIRE		
Cooperative programs		
National University of Zaïre		
Program Center, operating expenses	73,000	142,564
Visiting faculty	146,700	16,500
National University of Zaïre		
Faculty of Economics		13,676
Faculty of Social Sciences		
Library development on the Lubumbashi campus	51,500	18,800
Construction and furnishing of faculty housing units on Lubumbashi campus	121,750	103,532
Seminar on public administration	8,852	7,987
Seminar on the mining industry in Zaïre	10,760	
Staff development	108,263	87,912
Fellowships and scholarships	14,460	620
Miscellaneous small payments or refunds under $500		(2,205)
TOTAL	$8,664,456	$8,229,245

CONFLICT IN INTERNATIONAL RELATIONS

Five fellows were appointed this year to the experimental Fellowship Program in International Affairs and more are expected to be appointed early in 1974.

A grant was made to MIT toward the costs of an international workshop, under the direction of Carroll Wilson, on energy options for the 1980's.

Funds were also approved for allocation to international organizations to analyze the implications of climate modification for international affairs.

The Institute for World Order received a grant for the establishment of university-based world order studies. A grant of $500,000 was made to the Overseas Development Council for its program of research on the problems of developing countries.

GRANTS AND PROGRAMS

The first column shows all grants and programs announced in 1973. The second column shows all expenditures in 1973 including expenditures on prior years' grants.

	GRANTS AND PROGRAMS	EXPENDITURES
UNITED STATES		
International Programs		
International conferences	$ 36,400	$ 7,497
Colorado		
University of Colorado		
Study findings of social science research on conflict anticipation and resolution	10,515	
District of Columbia		
Overseas Development Council		
Continuing program of reappraisal and education on the problems of the less-developed countries	500,000	
The Middle East Institute		
Information programs	35,000	
Massachusetts		
Harvard University		
Study of the prospect of onshore and offshore oil development in the People's Republic of China	25,705	
Study of U.S.-Canadian conflicts	8,033	
Massachusetts Institute of Technology		
International workshop on energy options for the 1980's	100,000	33,333
New Hampshire		
American Universities Field Staff		
Conference on Cypriot questions	10,000	10,000

New York		
Daniel Serwer		
Research on means of controlling land-based sources of pollution, including ionizing radiation	37,150	
Fellowships in International Relations		
Recruitment and selection of candidates	3,000	927
Institute for World Order		
Program of establishing university-based world order studies	100,000	
John Berenyi		
Project on urban development in Europe and its relationship to possible future conflicts	8,000	8,000
Rockefeller Foundation		
New York program expenses	187,300	50,818
United Nations Institute for Training and Research		
Research on nuclear non-proliferation and control of conventional armaments	25,000	25,000
Oregon		
University of Oregon Development Fund		
Study of Mexican border industrialization program	1,650	
TOTAL	$1,087,753	$135,575

EQUAL OPPORTUNITY

This program has stressed three main approaches to the problems of the disadvantaged which have been followed in previous years.

In the first of these, leadership development, ten minority group members served as interns with well-known school superintendents in a fellowship program for experienced school administrators. This brings to 39 the

total for the four years of the administrative internship program; most pre[illegible]erns now hold highly responsible positions. A grant was made to [illegible]inue this program for another two years.

A similar program, in which high school teachers, counselors, and others worked with successful high school principals was particularly successful in Washington, D.C. and Los Angeles.

Because of the success of these first two projects, two similar programs were initiated this year: one for training staff for government-funded assistance programs (five of these human resources interns are now serving with agencies in Washington, D.C.) and a second for training community college administrators.

The second approach was to make school systems responsive to the needs of their communities. In the Oakland (California) Unified School District, which has received Foundation support since 1971, Master Plan Citizens Committees have been formed and are at work at each of the city's 91 schools. They include students, teachers, and representatives of labor, industry, and community organizations. A second grant this year will stress continued effort to obtain more involvement on the part of all these groups as well as presentation to the Board of Education of suggested new policies and programs.

During the past three years grants to the Kenwood-Oakland (Chicago) Community Organization have helped train 134 community organizers who have actively engaged the residents in efforts to alleviate problems, not only in education, but in all areas involving social justice. Their efforts will be continued through a recent grant.

A school-community program in New Orleans moved ahead on schedule during the year, with three out of seven community districts now organized.

Large grants were given in December to the Baltimore City Public Schools and the Newark Board of Education for similar school-community projects.

Our third major interest, research on inner-city problems, was supported by a major grant (among others) to the Urban Institute in Washington, D.C. for an ethnic minorities research project—under the direction of Dr. Thomas Sowell, a black economist—under which various American minorities will be studied on a comparative basis.

GRANTS AND PROGRAMS

The first column shows all grants and programs announced in 1973. The second column shows all expenditures in 1973 including expenditures on prior years' grants.

UNITED STATES	GRANTS AND PROGRAMS	EXPENDITURES
Arizona		
Arizona Department of Education		
Internship for a school administrator	$ 32,908	$ 32,908
Arizona State University		
Research on parent involvement in pre-school education of minority group children	15,000	
California		
Berkeley Unified School District		
Internship for a school administrator	500	500
California State College at Los Angeles		
Program with Locke High School		15,423
California State University		
Salary of coordinator of Child Development Center at Locke High School	20,000	10,000
Del Paso Heights School District		
Management training program for public school administrators	15,000	15,000
Livermore Valley Unified School District		
Internship for a school administrator	32,850	32,850
Los Angeles City Unified School District		
School-community advisory councils		105,323
Multi-Culture Institute		
Establishment of regional programs	300,000	75,000
Oakland Unified School District		
School-community program	225,000	112,500
Office of the Los Angeles County Superintendent of Schools		
Leadership training program for school administrators		75,000
Ravenswood City School District		
Internship for a school administrator	1,091	1,091

San Bernadino City Unified School District		
Internship for a school administrator	32,447	32,447
San Diego City School District		
Internship for a school administrator	31,200	31,200
Community education		50,000
San Mateo Union High School District		
Internship for a school administrator	27,850	27,850
Stanford University		
Educational and leadership development internship	15,000	
Graduate program in Afro-American studies		13,670
Watts Labor Community Action Committee		
Paramedical training program	107,051	107,051
Colorado		
University of Denver		
Advanced training in international studies for faculty members from minority institutions	15,000	
Connecticut		
Revitalization Corps		
Tutorial training program		35,270
Delaware		
Wilmington Public Schools		
Training program for school administrators		23,500
Internship for a school administrator	34,150	34,150
District of Columbia		
American Association of Community and Junior Colleges		
Internships for college administrators	200,000	100,000
Howard University		
Development of a center for training school administrators	15,000	
Internship for an administrator of government assistance programs	32,163	32,163
Lawyer's Committee for Civil Rights Under Law		
Assistance to decentralized school boards in New York City	15,000	15,000
National Urban Coalition		
Internship for an administrator of government assistance programs	35,700	8,925
National and local programs	25,000	25,000
Public Schools of the District of Columbia		
Internship for a school administrator	2,201	50,282

Urban Institute		
Evaluation of status of ethnic minorities in the United States	100,000	50,000
Washington Research Project		
Establishing the Children's Defense Fund	200,000	50,000
Florida		
Dade County Public School District		
Internship for a school administrator	28,950	25,835
University of Florida		
Preparation of black students for graduate study in agriculture		94,711
University of Miami		
Management internship program		62,960
Georgia		
Atlanta Urban League		
Community development program	25,000	25,000
Clark College		
Educational and leadership development internship	13,300	
Emory University		
Student assistance programs		15,747
Mercer University		
Support of talented students		27,500
Southern Regional Council		
Research on rural development in the South	150,000	90,000
Illinois		
Better Boys Foundation		
Leadership training program for preadolescents and their families	150,000	62,500
Chicago Commons Association		
Internship for an administrator of government assistance programs	33,288	33,288
Community Renewal Society		
Leadership training program	200,000	57,120
Training in urban affairs for journalists	24,000	24,000
Indiana		
Ball State University		
Community use of school facilities		56,082

City of Gary		
Internship for an administrator of government assistance programs	29,300	29,300
Indiana State University		
Internship training program for school administrators		122,475
Iowa		
Grinnell College		
Support of talented students		24,132
Louisiana		
New Orleans Public Schools		
Community involvement program	400,000	
Community leadership conference	15,000	15,000
Tulane University		
Student assistance programs		8,162
Development of community leaders	25,000	25,000
Maine		
Bowdoin College		
Support of talented students		11,000
Maryland		
Baltimore City Public Schools		
Leadership development program in schools	91,000	
On-the-job training for high school seniors—refund		(18,632)
Johns Hopkins University		
Graduate training in international relations		18,002
Massachusetts		
Harvard University		
Educational and leadership development internship	15,000	15,000
Health careers summer program		50,000
Research on racial attitudes in the United States		26,200
New England Hospital		
Health vocational training program		200,000
Training for health careers		150,000
Michigan		
Higher Education Opportunities Committee		
Counseling and pre-college assistance in inner-city schools		27,000
Merrill-Palmer Institute		
Urban family programs	15,000	14,721

Minnesota		
Carleton College		
Support of talented students		35,480
Minneapolis Public Schools, Special School District No. 1		
Use of schools as community centers		18,839
Mississippi		
Alcorn Agricultural and Mechanical College		
Rural development program in cooperation with Mississippi State University	123,976	123,976
Missouri		
Washington University		
Work-study program for high school graduates		10,000
New Jersey		
Board of Education, Newark		
Development of staff-community leadership	450,000	
Boy Scouts of America		
Leadership development		69,880
Camden School District		
Internship for a school administrator	29,700	29,700
Princeton University		
Afro-American studies program		18,402
Trenton Public Schools		
Leadership development through organizational change in schools	24,200	24,200
New York		
ASPIRA		
Internship for an administrator of government assistance programs	28,290	28,290
Bank Street College of Education		
Division of Field Action		33,377
Board of Education of the City of New York		
Open Classroom Program		87,250
City University of New York		
Study of the role of organizations in the inner-city in the lives of adolescents		7,500

Oregon		
Reed College		
Support of talented students		4,200
Pennsylvania		
Haverford College		
Post-baccalaureate program—refund		(27,587)
Philadelphia Public Schools		
Internship for a school administrator—refund		(1,142)
Temple University		
Cooperation between the University, community, and some public schools		41,886
Tennessee		
Fisk University		
Honors Program		30,988
Program in sociology in cooperation with Vanderbilt University		33,123
Salary supplements for faculty members		14,279
Staff recruitment costs and student assistance grants		9,775
Memphis City School District		
Internship for a school administrator	25,000	25,000
Sequatchie Valley Planning and Development Agency		
Forming an association of broiler chicken producers	2,400	2,400
Director's salary	10,800	10,800
Vanderbilt University		
Student assistance programs		61,999
Virginia		
Virginia Polytechnic Institute		
Support of talented students		20,839
Washington		
Western Washington State College		
Program for junior high school students		18,450
West Virginia		
West Virginia University		
Increasing animal production		84,839
General		
Internship Program for Administrators of Government Assistance Programs		
Travel expenses	1,000	152

Internship Program for Training at the Superintendent Level for Minority-group Administrators		
Two orientation conferences		19,103
Miscellaneous small payments or refunds each under $500		(311)
TOTAL	$4,124,310	$4,113,577

CULTURAL DEVELOPMENT

THE ARTS

Two major new undertakings were begun this year. The first is concerned with examining the teaching of the arts in public elementary and secondary schools throughout the United States. The necessity for such a study has been emphasized by many including Charles E. Silberman who has said: "Most schools give their students a powerful and effective esthetic education: they teach them that interest in the arts is effeminate or effete, that study of the arts is a frill and that music, art, beauty and sensitivity are specialized phenomena that bear no relation to any other aspect of the curricula of life. . . ."

The second was the American Music Recording Project planned in connection with the nation's bicentennial. This year was occupied with setting the stage for this ambitious project. It is expected that about 100 recordings will be made of American music from colonial times to the present—music that has either never been recorded or that has been dropped from catalogues. The recordings, which will represent the contributions of Americans of many backgrounds to our common culture, will be distributed to schools and departments of music, libraries, and FM radio stations.

Continuing the Foundation's commitment to the individual artist, eight playwrights were given stipends of $8,500 each and short residencies at

theatres of their choice. The New York Shakespeare Festival was also helped to undertake the operation of theatre at Lincoln Center and to begin a program for new playwrights at the Vivian Beaumont Theater.

As part of its traditional support, also, of creative institutions, the Foundation continued its aid to the Agnes de Mille Dance Theatre, a choreographer's company emphasizing the heritage of American folk and ethnic dance, which has begun its first season of touring.

THE HUMANITIES

One of the Foundation's major expectations in the years ahead is a considerably expanded program in the humanities. Our goals, and some of the means for working toward them, have been described in the opening essay.

The year 1973 was necessarily a time of transition: most of the grants made can be thought of as supporting efforts to understand the several heritages of Americans. Various facets of the history of women are being explored at a few centers of higher education; in others, relatively neglected scholarly tools such as film and oral history are being used to document our cultural heritage. A number of awards were made for individual projects dealing with local or regional socio-historical phenomena—the life of a Polish-American community in Detroit, and the usefulness of Appalachian studies in the mountain regions, for instance.

The place of values in contemporary life is a newer interest for this program. The Institute of Society, Ethics, and the Life Sciences is developing, with the help of an RF grant, a research and teaching program to bring the humanities into the life sciences. And nine scholars received individual awards to complete studies, many of which deal with the values of people outside established systems.

Another new interest—making the humanities more widely used and useful—resulted in a grant to the University of Massachusetts to develop a program on philosophy and the humanities to be used in high schools, and another to the American Humanist Association to develop a film series.

The year 1974 should see considerable work supported within the areas outlined in this review.

STUDY AWARD

UNITED STATES

ELLER, RONALD D. M.A., University of North Carolina, 1973. History. Appointed from University of North Carolina. Place of study: U.S.A. S-HUM

GRANTS AND PROGRAMS

The first column shows all grants and programs announced in 1973. The second column shows all expenditures in 1973 including expenditures on prior years' grants.

	GRANTS AND PROGRAMS	EXPENDITURES
UNITED STATES		
Arizona		
University of Arizona		
Editing of "Hamlin Garland and the American Indian, 1815-1910"	$ 4,318	
California		
Bay Area Educational Television Association		
Training programs of the National Center for Experiments in Television		$100,000
California Wind Symphony Association		
Workshops and performances	25,000	25,000
Center Theatre Group of Los Angeles		
Residency of Michael Weller, playwright	10,000	10,000
Programs of the Mark Taper Forum		75,000
De Young Museum Art School		
Training in museum education	188,000	49,000
East-West Players		
Playwright-in-residence	7,000	3,500
Magic Theatre		
Playwright-in-residence	3,500	3,500
Mills College		
Center for Contemporary Music		50,000
Provisional Theatre Foundation		
Playwright-in-residence	3,500	3,500
Salk Institute for Biological Studies		
Workshops concerning the humanistic aspects of aging	25,000	
San Francisco Conservatory of Music		
Awards to talented students	85,000	28,000
Community music education		76,500
San Francisco Theological Seminary		
To enable John Fry to complete three writing projects	13,500	13,500
University of California		
Berkeley		
Research on women in American history	33,000	16,500

Los Angeles		
Graduate Dance Center		22,666
San Diego		
Center for Music Experiment and Related Research		68,038
University of Southern California		
West Coast Branch of the Congress of Strings	35,000	35,000
Colorado		
Music Associates of Aspen		
Program of advanced teacher training		20,000
University of Denver		
Professional program in theatre		60,000
Connecticut		
Connecticut Players Foundation (Long Wharf Theatre)		
Residency of Susan Yankowitz, playwright	10,000	10,000
Eugene O'Neill Memorial Theater Center		
National playwrights conference and its National Theater Institute	390,000	80,000
Yale University		
Oral history interviews with musicians		24,000
Residency of Lanford Wilson, playwright	10,000	10,000
School of drama		112,500
District of Columbia		
National Endowment for the Humanities		
Jefferson Lecture in the Humanities—refund		(2,527)
Georgia		
Southeastern Academy of Theater and Music		
New educational and creative projects in theatre	80,000	80,000
Playwright-in-residence	3,500	3,500
Hawaii		
University of Hawaii		
Asian-American studies project	124,000	
Illinois		
Columbia College		
Establishment of a southern cultural exchange center	24,000	24,000
Community Arts Foundation		
Playwright-in-residence	3,500	3,500
University of Chicago		
Composition and performance of contemporary music		9,904

Iowa		
University of Iowa		
Courses in filmmaking and the American heritage		30,000
Expansion of its center for the new performing arts		40,000
Exploration of sex-role stereotyping	77,000	77,000
Kentucky		
Berea College		
Puppetry Caravan for Appalachia	51,800	18,380
Louisiana		
Dashiki Theatre Project		
Playwright-in-residence	3,500	3,500
New Orleans Philharmonic Symphony Orchestra		
Instrumental and orchestral youth training center	13,800	13,800
Maryland		
Peabody Institute of the City of Baltimore		
Awards to talented students	170,000	56,600
St. Mary's City Commission		
Introduction to archeology for young historians	25,000	25,000
Universal Christian Church		
Educational programs of the Appalachian South Folklife Center	25,000	25,000
Massachusetts		
American Academy of Arts and Sciences		
Conference series on human diversity: its causes and social significance	19,000	19,000
Exploring the feasibility of a national humanities center	35,000	35,000
Brandeis University		
Completion of three books on the family life of Irish-Americans, Italo-Americans and Jewish-Americans	25,800	
Clark University		
Family history project with the American Antiquarian Society	78,777	18,746
Elma Lewis School of Fine Arts		
Dance programs		155,600
Harvard University		
Center for International Affairs		
Study on the rise of ethnonationalism	8,200	8,200
Experimental course exploring ethical issues	3,876	
New England Conservatory of Music		
Awards to talented students	200,000	66,000

Radcliffe College		
Postdoctoral fellowships for women in university teaching		25,000
Project relating to women's history and population growth	82,000	17,065
Smith College		
Project relating to women's history and population growth	31,000	17,100
University of Massachusetts		
Program on philosophy in secondary education	56,000	56,000
WGBH Educational Foundation		
Exploration of the history of American people		100,000
Michigan		
Michigan State University		
Internships in university administration—refund		(1,561)
Research on social upheavals in San Francisco	8,500	8,500
Southeast Michigan Regional Ethnic Heritage Studies Center		
Study of a Polish American community in Detroit	15,000	15,000
University of Michigan		
Contemporary performance project of the School of Music		1,399
Minnesota		
Minneapolis Society of Fine Arts		
Development of works by the Children's Theatre Company		39,750
University of Minnesota		
Office for Advanced Drama Research		66,250
Research project on women in American history	76,000	
Walker Art Center		
Training in museum education	136,000	
Missouri		
University of Missouri		
Study of the impact of World War II on American women	12,400	12,400
Nebraska		
Magic Theatre Foundation		
Playwright-in-residence	3,500	3,500
New Hampshire		
University of New Hampshire		
Program of new music in New Hampshire	10,000	10,000

New Jersey		
Princeton University		
Institute for Advanced Study		
Study on the relation between Caribbean slave unrest and 18th-century democratic revolutions	16,000	15,840
Professional theatre program		50,000
Princeton University Press		
Pre-publication costs of the journal, *Philosophy & Public Affairs*		15,000
Rutgers, the State University		
Study of workers education programs	14,000	
New York		
Actors Studio		
Administrative expenses	15,000	15,000
Agnes de Mille Dance Theater		
Heritage Dance Theater	71,500	57,150
American Humanist Association		
Support of the TV and radio public affairs series "The Humanistic Alternative"	19,000	19,000
American Place Theatre		
Residencies of Ed Bullins and Philip Hayes Dean, playwrights	19,000	9,500
Associated Councils of the Arts		
To develop a panel to study the needs of the creative person	15,000	15,000
Ballet Theatre Foundation		
Artistic staff		25,000
Brooklyn College of the City University of New York		
Institute for Studies in American Music	25,000	37,500
Training for theatre technicians		24,665
Center for Migration Studies		
Cataloguing research collections on Italian-American culture	21,400	21,400
Chelsea Theatre Center		
Preparation of its new Manhattan Annex	15,000	15,000
City Center of Music and Drama		
Establishment of a children's theatre		87,500
College of New Rochelle		
Formation of college consortium committed to the new resources model of adult education	25,000	

Columbia University		
Seminars aimed at reformulating the role of the humanities in professional training	197,000	
Group for contemporary music—refund		(652)
Otto Luening, work on autobiography	10,000	
Design Science Institute		
Toward completion of "The Videosphere," a major book concerning the evolution of the public communications system during the 1970's	7,000	7,000
Educational Broadcasting Corporation		
Experimental television workshop		250,000
Electronic Arts Intermix		
International seminar to explore the cultural potential of television	10,000	10,000
Film Art Fund		
Film research program and activities of a national committee on media services	25,000	25,000
Global Village Video Resource Center		
To develop portable TV as a communications resource for developing countries	25,000	25,000
Graduate School and University Center of the City University of New York		
Study of Yiddish culture in America	10,000	
Group I Acting Company		
Productions of contemporary drama	150,000	50,000
Henry Street Settlement		
Residency of Ron Milner, playwright	10,000	10,000
Multi-ethnic theatre activities of the New Federal Theater	75,000	75,000
Hunter College of the City University of New York		
Program development	16,350	16,350
Institute of Society, Ethics and the Life Sciences		
Research and teaching	46,666	46,666
International Center of Theater Creation		
Workshop and performing activities in the United States	25,000	25,000
International Theatre Institute of the United States		
Theatre workshop	3,817	3,817
Juilliard School of Music		
Awards to talented students	265,000	96,000
Drama division	330,000	

LaMama Experimental Theatre Club		
Residency of Adrienne Kennedy, playwright	9,500	
Resident troupes		75,000
Manhattan School of Music		
Awards to talented students	100,000	38,185
Experimental program of string instrument training with Eleanor Roosevelt Junior High School		25,000
Manhattan Theatre Club		
Development of a new program in theatre	10,000	10,000
Martha Graham Center of Contemporary Dance		
Support of fall tour	20,000	20,000
Metropolitan Museum of Art		
Training in museum education	350,000	75,000
National Black Theatre Workshop		
Development of a new work	15,000	
National Friends of Public Broadcasting		
Operating costs	15,000	15,000
Negro Ensemble Company		
Residency of Martie Evans-Charles, playwright	9,500	9,500
New School for Social Research		
Study of the bases of ethical reaction vis-à-vis the new technology	15,000	
New York Public Library		
Cataloguing materials for dance collection bibliography	7,500	7,500
Establishing an index of new musical notation		10,004
Microfilming Velazquez collection to make it available to the Spanish-speaking community in the south Bronx	14,024	14,024
New York Shakespeare Festival		
Creation of new ballets	35,000	
Program at Lincoln Center	350,000	175,000
Public Theater		242,500
Residencies of John Ford Noonan and Edgar White, playwrights	19,000	9,500
New York University		
Graduate performing ensembles in theatre		100,000
Open Theatre		
Residency of Jean-Claude van Itallie, playwright	9,500	9,500
Paper Bag Players		
Educational theatre for children		30,000

P.E.N. American Center		
To permit Jan Benes to devote full time to writing	11,000	11,000
To permit talented writers to study lesser-known languages	10,000	
Preliminary Committee on the Design of American Music Recording Project	30,000	18,730
Program for American Playwrights		
Committee evaluating playwrights-in-residence program	15,000	1,075
Rabbit Hole Theatre		
Playwright-in-residence	3,500	3,500
Repertory Theater of Lincoln Center		
Support of 1972-73 season		25,000
Rockefeller Foundation—New York program expenses	391,600	283,921
St. Felix Street Corporation		
Brooklyn Academy of Music's activities in music, dance, and drama		125,000
Sarah Lawrence College		
Graduate training in women's history	140,000	52,000
Saratoga Performing Arts Center		
Residency of City Center Acting Company and expansion of the school program	15,000	15,000
State University of New York at Buffalo		
Participation of Indian students in a historical project on Allegheny reservation of the Seneca nation	6,000	
Street Theatre		
Workshops in prisons	20,000	20,000
Theatre Incorporated		
Sideshow program of the New Phoenix Theatre	24,500	24,600
Union Theological Seminary		
Investigation of the social context of theology in the language and thought of black Americans	13,658	13,658
North Carolina		
Duke University		
Oral history research on the South since 1890		80,000
Study on "Politics of the South: The Second Reconstruction" to be conducted at the Institute of Policy Sciences and Public Affairs	24,000	24,000
North Carolina School of the Arts		
Resident professional dance company		100,000
Ohio		
Cleveland Institute of Music		
Awards to talented students	75,000	50,000

Institute for the Development of Educational Activities		
Study of the arts in precollegiate education	100,000	
University of Cincinnati		
East Coast Branch of the Congress of Strings	25,000	
Oklahoma		
Oklahoma College of Liberal Arts		
Native American Theater Ensemble	25,000	25,000
Oregon		
Lewis and Clark College		
Project to arouse interest in local history through dialogues	6,000	6,000
Pennsylvania		
Pennsylvania State University		
Programs in religion and the American heritage		15,000
South Carolina		
Converse College		
Summer training in music for high school students		13,400
Tennessee		
Center for Southern Folklore		
Two documentary films on white and black folklore in Mississippi	10,000	10,000
Utah		
University of Utah		
Modern dance repertory company		60,000
Vermont		
International Film Seminars		
Preparation of a book on the history of documentary film		1,250
Washington		
Central Area Citizens' Committee of Seattle		
Playwright-in-residence	3,500	3,500
West Virginia		
Appalachian Research and Defense Fund		
Experimental series of music workshop festivals in Appalachian states	24,890	24,890
Concord College		
Survey of the usefulness of the Appalachian studies project	14,932	14,932
Wisconsin		
University of Wisconsin		
Dictionary of American Regional English	65,000	

General		
Fellowships and scholarships	15,415	290
Miscellaneous small payments or refunds each under $500		(111)
TOTAL	$5,810,823	$1,911,191

QUALITY OF THE ENVIRONMENT

Although the geographical boundaries of some may encompass only a single city, all of the projects under way in this program have worldwide implications.

Modest support to Citizens for Clean Air in New York City, for instance, stimulated wide public participation in the State Public Service Commission's year-long hearings on energy conservation measures and their relation to the environment.

Three regional projects are of particular importance. One is the Hudson River Basin Project which began in the summer of 1973 and now involves the collaboration of more than twenty institutions and ten task groups. Over 1,200 local decision-makers are being interviewed to learn the attitudes toward environmental issues that prevail in the communities concerned.

The University of Florida was given a grant for an experiment that, it is hoped, will add much-needed fresh water to the state's supply. Partially treated municipal sewage will be piped into the headwaters of small cypress swamps. If the experiment works as expected, the polluted water will be purified and made available for consumption in its slow progress seaward by the plant and animal life of the swamps.

At Michigan State University effluent from a secondary sewage treatment plant which would otherwise be discharged into Lake Michigan will be diverted through four lakes in which it, too, will be purified by plant and animal life.

Helpful to many countries will be progress made in continuing efforts to find alternatives to DDT and similar pesticides that remain in the water and

air, some of them for as much as ten years, destroying many forms of animal life and sometimes human life as well. This progress has included the results of seven years of work aimed at interfering with the mating of selected insects through directed use of pheromones (sex attractants) at the University of California at Berkeley and at Riverside, and at Cornell University. This year a grant was made to the State University of New York's College of Environmental Science and Forestry at Syracuse toward studies of the components of the insect trail pheromone. At the three universities first named and the University of Illinois long-term efforts have resulted in the discovery of a number of new products that are highly effective against target insects but quickly disintegrate and do not accumulate in food chains.

A grant this year to Harvard University, to be carried out by Dr. Carroll M. Williams of the Biological Laboratories, produced exciting progress in work on the use of juvenile hormones to prevent insects from reaching the mating stage. Considerable results were also obtained from a grant made in 1970 to Texas A & M University, Mississippi State University, and the University of California at Davis in development of plant resistance to insects.

Of immediate international scope was a grant to the International Institute of Environmental Affairs for study and action programs concerned with the law of the sea.

GRANTS AND PROGRAMS

The first column shows all grants and programs announced in 1973. The second column shows all expenditures in 1973 including expenditures on prior years' grants.

	GRANTS AND PROGRAMS	EXPENDITURES
CANADA		
Arctic Institute of North America		
Establishment of a mediation procedure related to the extraction of Arctic fossil fuel resources	$ 5,000	$ 5,000
University of British Columbia		
Analysis of arrangements for management of international inland water resources	25,000	25,000
SWEDEN		
International Federation of Institutes for Advanced Study		
Support of operation	15,000	15,000
UNITED STATES		
Alaska		
University of Alaska		
Twenty-fourth Alaskan science conference on climate of the Arctic	7,200	7,200

Arizona		
University of Arizona		
Industrial gases detoxification		10,868
Report on power/water/food project		8,000
California		
Claremont Colleges		
Faculty-student investigations of electric power, mass transit, and land use	10,000	10,000
University of California		
Berkeley		
Research on pesticides	43,000	43,000
Davis		
Division of Environmental Studies		83,299
Study of plant resistance to insects	26,318	26,318
Riverside		
Research on pesticides	43,200	43,200
Research on insect pheromones	3,926	3,926
Colorado		
Colorado State University		
Establishment of a 250 year record of the concentration of heavy metal contaminants in the environment	24,000	19,200
Rocky Mountain Center of Environment		
Environmental intern program	15,000	10,000
District of Columbia		
National Academy of Sciences		
Workshop on effects of petroleum in the marine environment	10,000	10,000
Resources for the Future		
Research on management of residuals		245,897
Analyzing the relation between population, resources, and the environment in the less-developed nations	175,000	
Florida		
University of Florida		
Research on use of aquatic vegetation by herbivorous fish		25,000
Wastewater reclamation studies	272,000	136,000
Illinois		
University of Illinois		
Research on pesticides	47,600	47,600
Studies on nitrogen in the pollution of waterways		87,509

Iowa		
Iowa State University		
Research on nitrogen transformations	123,000	32,845
Massachusetts		
Harvard University		
Environmental planning in New England		78,000
Massachusetts Audubon Society		
Environmental intern program in New York State	15,000	15,000
Woods Hole Oceanographic Institution		
Research on bioconcentration of toxic pollutants	59,000	29,350
Research on marine resource exploitation	16,252	20,707
Special institutional grant	1,500	1,500
Tertiary sewage treatment and aquaculture system		150,000
Workshop on critical problems of the coastal zone		5,175
Michigan		
Michigan State University		
Research and graduate training on the public health aspects of wastewater reclamation	326,000	
Mississippi		
Mississippi State University		
Study of plant resistance to insects	27,720	27,720
Missouri		
University of Missouri		
Environmental Trace Substances Center		83,214
New Jersey		
Princeton University		
Development of mass spectroscopic sensor for air quality measurements		15,000
Research in ecology by its Center of International Studies		7,500
Rutgers, the State University		
Investigation of the attitudes of key public leaders concerning environmental issues of the Hudson Basin region	10,000	
Statewide natural resources planning	70,000	35,000
New York		
Associated Universities		
Experimental research on metal hydride systems	5,000	5,000
Workshop on the quantification of the external costs of energy at Brookhaven National Laboratory	5,000	5,000
Boyce Thompson Institute for Plant Research		
Research on plant life and ecosystem of the Hudson River Basin		140,315

Citizens for Clean Air		
Participation in the public service commission's inquiry into energy conservation measures of Consolidated Edison Corporation	15,000	15,000
City College, City University of New York		
Research in water quality management	79,000	54,000
Committee for Economic Development		
Nationwide research on improving the quality of the environment		25,000
Cornell University		
Agricultural waste and nutrient management program		141,540
Initiation of a program to identify environmental concerns of the public in the Hudson Basin region	10,000	15,000
Research on insect pheromones		12,500
Research on pesticides	50,000	50,000
Council on the Environment of New York City		
Assessment of critical environmental problems affecting New Yorkers between 1974 and 1984	20,000	20,000
Mid-Hudson Pattern for Progress		
Defining priorities on environmental issues in the metropolitan New York-New Jersey area and the Hudson River Basin	308,563	301,408
Regional Plan Association		
Research on the relationship between urban land use and public transportation	25,000	
Rockefeller Foundation		
New York program expenses	236,100	248,465
Staff assigned to other organizations	184,300	104,605
State University of New York at Binghamton		
Research on trace metals in the upper Susquehanna River Basin	2,500	9,282
State University of New York at Stony Brook		
Urban and Policy Sciences Program		114,548
State University of New York, College of Environmental Science and Forestry		
Research on insect pheromones	33,253	2,081
North Carolina		
Duke University		
Marine science environmental training program for scientists from the developing countries	82,000	
University of North Carolina		
Evaluation of water management in England and Wales	20,000	

Ohio		
Case Western Reserve University		
Phosphorus studies		109,950
Oregon		
Oregon State University		
Air pollution studies in the Willamette River Basin		252,400
Pennsylvania		
Academy of Natural Sciences of Philadelphia		
Research and teaching in fresh water ecology		114,073
Support of a symposium on watersheds	6,000	
Drexel University		
Development of a gamed simulation of regional energy planning	25,000	25,000
Pennsylvania State University		
Research and training in environmental studies		139,135
Western Pennsylvania Conservancy		
Research on land use policy for Pennsylvania	10,000	10,000
Texas		
Texas A & M University		
Study of plant resistance to insects	90,400	90,400
Utah		
University of Utah		
Energy assessment for Utah conducted by the state science advisor	5,350	
Utah State University		
Development of a land use planning data storage system	20,000	
Research and training in environmental studies		240,000
United States—General		
Fellowships and scholarships	23,990	9,478
Miscellaneous small payments or refunds each under $500		(20)
TOTAL	$2,627,172	$3,617,188

ALLIED INTERESTS

The campaign against schistosomiasis remains important to the Foundation's traditional interest in tropical medicine. Staff on the St. Lucia project was greatly encouraged by the fact that the long struggle for provision of a safe water supply for household use has resulted in significantly fewer instances of the disease. At the same time the search for a vaccine and a new chemotherapeutic agent was continued.

In a related endeavor Case Western Reserve University was given a grant to develop a new division to promote research, teaching, and training in tropical medicine, which will include work in tropical areas with specific infections. (U.S. expertise in tropical disease has declined since World War II to the point where in most medical schools the student receives less than sixteen hours of teaching in this subject.)

Two grants were made to New York University for an analytical survey of the current status of the use of closed-circuit television as an extension of physicians' services.

The year 1973 was another successful one at the Bellagio Study and Conference Center with 445 persons attending 25 conferences, six of which were led by Foundation officers. The participants came from North and South America, Europe, Africa, Asia, and Australia to examine ways of working together to solve common problems ranging from means of increasing agricultural production and achieving more even distribution of goods to personal freedom in an era of social engineering. There were 70 resident scholars, the largest number in the fourteen-year history of the Center.

STUDY AWARDS

INDIA

BARMAN, RAKTAKAMAL Ph.D., School of International Studies, New Delhi, 1969. Political Science. Appointed from Indian Council of Social Science Research. Place of study: U.S.A. F-SS

NIGERIA

FABAYO, JOSEPH ADEMOLA B.Sc., University of Ife, 1972. Economics. Appointed from University of Ife. Place of study: U.S.A. S-SS

GRANTS AND PROGRAMS

The first column shows all grants and programs announced in 1973. The second column shows all expenditures in 1973 including expenditures on prior years' grants.

	GRANTS AND PROGRAMS	EXPENDITURES
International Cooperative Programs		
Field Staff	$ 344,700	$ 348,982
International Conferences	6,900	
BRAZIL		
Federal University of Minas Gerais		
Schistosomiasis research	15,000	15,000
CANADA		
McGill University		
Special institutional grant	1,500	1,500
University of Waterloo		
Schistosomiasis and fascioliasis research		25,000
CHILE		
Fellowships and scholarships	20,906	9,688
COLOMBIA		
University of Valle		
Health care studies		47,298
GUATEMALA		
Cooperative program		
Rural health and training project	21,300	
ITALY		
Bellagio Study and Conference Center		
Activities of the Center	390,400	442,554
National Research Council		
Schistosomiasis research	14,200	
LEBANON		
American University of Beirut		
Strengthening its academic program		432,065
MALAWI		
Fellowships and scholarships	4,550	5,312

MEXICO		
Fellowships and scholarships	10,300	9,586
NETHERLANDS		
The Hague Academy of International Law		
Centre for Studies and Research in International Law and International Relations	80,000	
NICARAGUA		
Central American Institute of Business Administration		
Management training program	25,000	25,000
NIGERIA		
Fellowships and scholarships	54,214	55,816
ST. LUCIA		
Cooperative program in schistosomiasis research and control	217,400	214,420
SWITZERLAND		
Geneva Graduate Institute of International Studies		
Training for students from Africa, Asia, and Latin America		25,000
UNITED KINGDOM		
England		
London School of Hygiene and Tropical Medicine		
Schistosomiasis research	80,000	7,206
University of Cambridge		
International survey of crime control		5,002
University of Sussex		
British Committee on the Theory of International Politics		1,533
Institution for the Study of International Organization		15,000
Preparation of a volume on states-systems		5,983
UNITED STATES		
California		
Stanford University		
Special institutional grant	1,500	1,500
Colorado		
Aspen Institute		
Program on communications policy	75,000	40,000

University of Denver		
Research on external investment in South and South-West Africa		10,000
Connecticut		
Yale University		
Advanced training program for African students at the Law School		4,950
Visit to China by members of the Economics Department	6,000	6,000
Research on preconditions for existence of political stability		2,372
District of Columbia		
American Association for the Advancement of Science		
Office of International Scientific Affairs		20,000
John D. Rockefeller 3rd Youth Award for 1972		10,177
National Academy of Sciences		
Appraisal of the U.S. social security system	25,000	25,000
Exchange program conducted by the Committee of Scholarly Communication with the People's Republic of China	75,000	
National Association for Foreign Student Affairs		
Publication and distribution of African Credentials Evaluation Workshop Report	3,000	
Study on foreign student visa and employment situation in the United States	15,000	
Overseas Development Council		
Research and development	125,000	125,000
Student Advisory Committee on International Affairs		
Dialogue program		15,000
Illinois		
American Bar Foundation		
Study of impact of Tax Reform Act of 1969 on foundations	4,790	4,790
University of Chicago		
Special institutional grant	4,500	4,500
Indiana		
University of Notre Dame		
Ecumenical Institute for Advanced Studies		50,000
Maryland		
Johns Hopkins University		
Research in health care	300,000	199,727
Seminars for young diplomats		68,671
Massachusetts		
American Academy of Arts and Sciences		
Summer study on arms control	25,000	25,000

Boston University		
Center for Latin American Development Studies	225,000	
Brandeis University		
Special institutional grant	1,500	1,500
Harvard University		
Community health programs		250,000
International legal studies and advanced training for Africans—refund		(587)
Recruitment of immunochemist as principal research associate	35,060	
Research on educational investment and economic growth		5,620
Schistosomiasis research		27,866
Special institutional grant	3,000	3,000
Study of social considerations in the corporate decision-making process		14,000
Study of surgeons and surgical care in the United States		15,000
Study of the impact of multinational corporations on the international monetary system	25,000	
Massachusetts Institute of Technology		
Study on Chilean inflation—refund		(1,233)
Michigan		
Oakland University		
Program of Labor Education	10,000	10,000
University of Michigan		
Environmental programs		77,500
Minnesota		
American Rehabilitation Foundation		
Study of alternative manpower systems for the chronically unemployed	55,000	35,770
Missouri		
Washington University		
Special institutional grant	1,500	1,500
New Jersey		
Citizens Research Foundation		
National Conference on Money and Politics	20,000	20,000
Princeton University		
Interdisciplinary research in ecology		3,707
New York		
African-American Institute		
Operation of information center	30,000	30,000
Asia Society		
Conference on Prospects for Southeast Asia in the 1970's		10,000

Barnard College		
Study of the ethics of using human subjects in biomedical research		25,000
Carnegie Endowment for International Peace		
Training program for foreign service officers	62,040	62,040
Center for Policy Research		
Study of U.S. land development	20,000	20,000
Columbia University		
Study of corporate responsibility—refund		(25,000)
Cornell University		
Investigation of adolescent drug dependency	174,000	183,529
Council on Foundations		
Experimental nonprofit management internship	6,000	6,000
Diebold Institute for Public Policy Studies		
Project on business-public sector interface	25,000	25,000
Herbert H. Lehman College		
Training of physician's associates	8,100	8,100
National Bureau of Economic Research		
Center for Economic Analysis of Human Behavior and Social Institutions		85,000
National Committee on United States-China Relations		
1973 visit to the People's Republic of China by a Committee delegation	15,000	15,000
Cultural exchanges with the People's Republic of China	100,000	
New York Medical College		
Studies connected with development of prepaid health care program	15,000	15,000
New York University		
Center for studies in income maintenance policy	200,000	49,225
Study of television use in medical education and health services	63,519	50,000
Rockefeller Foundation		
New York program expenses	52,100	163,948
Planning and organization of archives	130,000	110,692
Staff assigned to other organizations	348,800	221,281
Royal Society of Medicine Foundation		
Anglo-American Conference on Drug Abuse held in London		5,000
State University of New York, Downstate Medical Center		
Schistosomiasis research	25,000	25,000

United Nations Association of the United States		
Research by young scholars on the future of international institutions		15,000
United Nations Institute for Training and Research		
Study of possible coordination of international economic and social action	15,000	15,000
Ohio		
Case Western Reserve University		
Research on the Chinese economic system	2,700	2,700
Creation of a division of geographic medicine within the Department of Internal Medicine to promote expertise in tropical medicine	525,000	
Institute for Development of Educational Activities		
Administrative services for the Overseas Schools Advisory Council, Department of State	1,500	1,500
Western College		
Support of coordinator of multicultural events	21,150	14,100
Pennsylvania		
University of Pennsylvania		
Special institutional grant	1,500	1,500
University of Pittsburgh		
Special institutional grant	1,500	1,500
Rhode Island		
Brown University		
Schistosomiasis research		108,603
Tennessee		
Meharry Medical College		
Studies on quality of health care programs		100,000
Wisconsin		
University of Wisconsin		
Analysis of data on economic and social implications of disease control in St. Lucia	13,754	13,754
Special institutional grant	1,500	1,500
ZAIRE		
National University of Zaïre		
Graduate program in social history		6,345
Fellowships and scholarships	3,825	2,574
Miscellaneous small payments or refunds each under $500		296
TOTAL	$4,184,148	$4,137,462

SUMMARY OF FUNDS APPROPRIATED AND EXPENDED IN 1973

	APPROPRIATIONS	EXPENDITURES
Grants and Programs		
Conquest of Hunger	$ 8,935,509	$ 9,353,308
Problems of Population	6,577,452	6,369,866
University Development	8,664,456	8,229,215
Conflict in International Relations	1,087,753	135,575
Equal Opportunity	4,124,310	4,113,577
Cultural Development	5,810,823	4,911,191
Quality of the Environment	2,627,172	3,617,188
Allied Interests	4,184,148	4,137,462
Total grants and programs	42,011,623	40,867,412
General administrative expenses		3,869,182
Deduct releases from prior years' appropriations announced in 1973	(16,712,776)	
Appropriations in 1973 not released during the year	15,184,853	
Appropriation for 1974 general administrative expenses	3,548,800	
TOTALS (see Note 4 to Financial Statements)	$44,032,500	$44,736,594

FINANCIAL STATEMENTS

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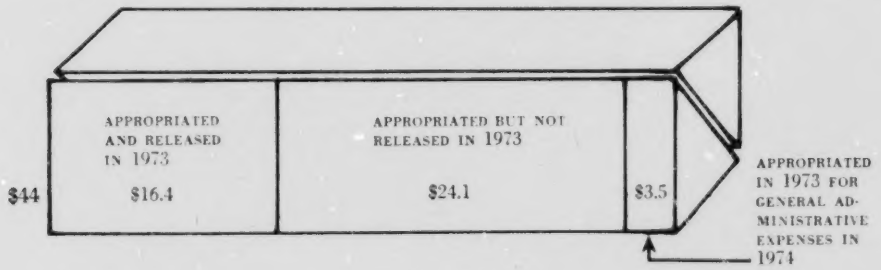
SUMMARY

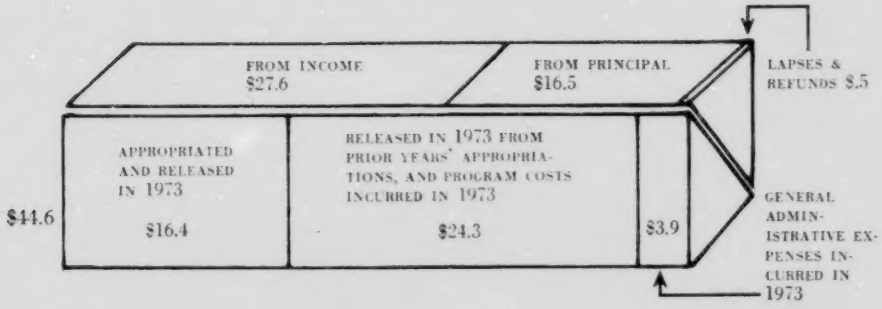
The financial statements for 1973, detailed on the following pages, reflect four important changes: (1) Investment assets and principal fund balance are stated on the basis of market value rather than ledger value as in the past; (2) Income is reported as accrued rather than on a cash basis; (3) General administrative and program expenses are reported as incurred rather than when approved by Trustee appropriation; and (4) A distinction is made in grants between those announced and released for specific recipients and those made by the Trustees but not yet released to the recipient.

Appropriations: All expenditures of The Rockefeller Foundation are authorized through appropriations made by the Trustees. During 1973 the Trustees appropriated $44 million ($43.1 million after lapses and refunds):

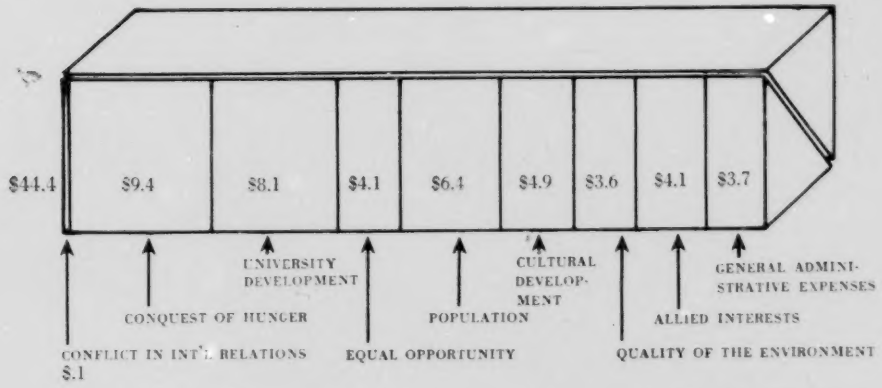


Under the new reporting procedures, total Trustee appropriations will not be reflected directly in the operating statement as they have been in prior years; only grant appropriations announced and program costs and general administrative expenses incurred during the year will appear in that statement. Appropriations not yet released and appropriations for program costs and general administrative expenses for the following year are shown as a designated part of principal fund.

Programs and Grants Announced: In addition to $16.4 million appropriated and released in 1973, releases by the officers during the year from prior years' appropriations, and program costs and general administrative expenses incurred during the year, total $28.2 million. (This combined sum of $44.6 million was reduced by $.5 million in lapses and refunds.) The balance was charged to $27.6 million of net investment income and to $16.5 million of fund principal. In addition, the Foundation incurred $2.6 million in federal excise tax on investment income and realized capital gains.



Payments: Some grants are paid almost as soon as made, others are paid over several years. Payments during the year on all programs and grants, and for 1973 general administrative expenses, total $44.4 million, distributed as follows:



Since its founding in 1913 The Rockefeller Foundation has paid out almost $1 billion 130 million, of which $902 million came from income and $228 million came from principal.

Investment Managers: In addition to its action in January, 1972 assigning approximately $200 million to four managers of equity funds, the Foundation in October, 1973 assigned $75 million to two managers of bond funds. Each of the latter, in varying degree, deferred commitment to long-term investments. The investment and reinvestment of these funds on a short-term basis resulted in an unusually high figure for purchases and dispositions of securities.

The Financial Statements for 1973 and the opinion of Arthur Young & Company, Certified Public Accountants, are presented on the following pages.

ACCOUNTANTS' OPINION

ARTHUR YOUNG & COMPANY

277 PARK AVENUE
NEW YORK, N.Y. 10017

The Board of Trustees
The Rockefeller Foundation

We have examined the accompanying statement of assets, obligations and principal fund of The Rockefeller Foundation at December 31, 1973 and 1972 and the related statements of operations, changes in principal fund and changes in financial position for the years then ended, and the supplemental schedules of marketable securities at December 31, 1973 and transactions therein for the year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the statements mentioned above present fairly the financial position of The Rockefeller Foundation at December 31, 1973 and 1972 and the results of operations, changes in principal fund and changes in financial position for the years then ended, in conformity with generally accepted accounting principles applied on a consistent basis after restatement for the changes in accounting principles, with which we concur, as explained in Note 1.

Arthur Young & Company

February 5, 1974

STATEMENT OF ASSETS, OBLIGATIONS AND PRINCIPAL FUND

DECEMBER 31, 1973 AND 1972

ASSETS	*1973*	*1972 (Restated—Note 1)*
Marketable securities, at quoted market value (fair market value at date of gift or purchase cost—1973: $536,119,092; 1972: $463,582,121) (Note 1)	$829,786,159	$967,972,327
Cash	502,420	795,986
Accounts receivable and advances	8,081,000	467,096
Accrued income receivable	2,008,118	2,140,018
Property—at nominal or depreciated amount	109,150	93,878
Total assets	$840,486,847	$971,469,305

OBLIGATIONS AND PRINCIPAL FUND		
Accounts payable and accrued liabilities	$ 3,305,073	$ 322,671
Federal excise tax payable (Note 2)	2,635,487	2,024,109
Deferred federal excise tax (Note 1)	3,385,113	9,429,601
Appropriations by the Trustees, announced and released for specific purposes but not yet paid (Notes 1 and 4)	44,770,367	45,366,080
Total obligations	54,096,040	57,142,461
Principal fund:		
Appropriations by the Trustees not yet released for specific grantees, and appropriations for program costs and general administrative expenses for the following year (Notes 1 and 4)	42,838,810	43,838,580
Unappropriated	743,551,997	870,488,264
Total principal fund	786,390,807	914,326,844
Total obligations and principal fund	$840,486,847	$971,469,305

See accompanying notes.

STATEMENT OF OPERATIONS AND CHANGES IN PRINCIPAL FUND

YEARS ENDED DECEMBER 31, 1973 AND 1972

	1973	*1972* (Restated—Note 1)
Investment income:		
Dividends	$ 25,407,843	$ 25,946,078
Interest	4,071,748	1,653,478
Royalties on investment received by bequest	107,219	111,562
	29,586,810	27,711,118
Less: investment expenses	913,588	811,771
Investment income before federal excise tax	28,673,222	26,899,347
Less: provision for federal excise tax (Note 2)	1,109,365	1,075,974
Net investment income	27,563,857	25,823,373
Grant appropriations announced and program costs incurred during the year	40,271,699	38,247,241
General administrative expenses	3,869,182	3,414,061
	44,140,881	41,661,302
Excess of grant appropriations announced and program costs and general administrative expenses incurred over income	(16,577,024)	(15,837,929)
Principal fund at beginning of year as restated (Note 1)	914,326,844	778,659,266
Increase (decrease) in unrealized appreciation on marketable securities net of deferred federal excise tax (1973: reduction ($6,030,000); 1972: provision $3,950,000) (Note 2)	(204,693,139)	57,448,375
Realized gain on sale of marketable securities less provision for federal excise tax (1973: $1,498,469; 1972: $974,011) (Note 2)	93,242,842	93,697,674
Contributions to the Foundation	76,012	367,510
Net increase (decrease) in property account	15,272	(8,052)
Principal fund at end of year	$786,390,807	$914,326,844

See accompanying notes.

STATEMENT OF CHANGES IN FINANCIAL POSITION

YEARS ENDED DECEMBER 31, 1973 AND 1972

	1973	*1972* (Restated—Note 1)
Sources of cash:		
Investment income before federal excise tax	$ 28,673,222	$ 26,899,347
Proceeds from the disposition of securities	605,582,777	314,788,984
Net change in accounts receivable, advances, accrued income receivable, accounts payable and accrued liabilities	(4,790,182)	(690,679)
Cash contributions to the Foundation	76,012	20,100
Amortization of bond premiums	21,826	13,706
	629,563,655	341,031,458
Uses of cash:		
Payments on programs and grants:		
Conquest of Hunger	9,342,537	8,069,089
University Development	8,108,751	7,952,419
Equal Opportunity	4,113,577	4,987,863
Population	6,346,031	6,845,768
Cultural Development	4,910,638	4,359,817
Quality of the Environment	3,615,876	3,680,432
Allied Interests	4,133,846	4,717,866
Conflict in International Relations	135,575	—
	40,706,831	40,613,254
General administrative expenses	3,739,184	3,414,061
Cost of securities purchased	583,400,263	295,788,081
Federal excise taxes paid	2,010,943	1,166,450
	629,857,221	340,981,846
Increase (decrease) in cash	(293,566)	49,612
Cash balance at beginning of year	795,986	746,374
Cash balance at end of year	$ 502,420	$ 795,986

See accompanying notes.

NOTES TO FINANCIAL STATEMENTS

DECEMBER 31, 1973

1. *Accounting changes and summary of significant accounting policies*

In 1973, the Foundation made several changes in the application of generally accepted accounting principles, which it considered appropriate in the context of recent audit guides, with particular reference to the recommendations of an American Institute of Certified Public Accountants audit guide on Voluntary Health and Welfare Organizations, which was completed in 1973. In compliance with the latter guide, the changes have been made on a retroactive basis.

The Foundation changed its method of accounting for marketable securities from its prior carrying basis of cost (ledger amount) to the basis of market value. The increase in value resulting from changing the carrying basis from cost to market value was $442,991,831 at January 1, 1972 and is accounted for by a retroactive restatement of the principal fund balance at that date. Subsequent transactions are shown in the accompanying statements on a market value basis.

The Foundation also changed its method of accounting for program costs and general administrative expenses to provide for the recognition of these expenses as charges to operations at the time at which they are incurred. Previously, the entire amount of budgeted program costs and general administrative expenses was charged against operations when appropriated by the Trustees.

In addition, the Foundation changed its method of accounting for investment income and expenses to a full accrual basis from the prior modified cash basis accounting. Previously, dividend, interest and royalty income were recorded as received and investment expenses were recorded as paid.

Also in 1973, the Foundation changed its method of accounting for grants to defer recognition of appropriations until grants are announced and released for specific grantees. Previously, grants were charged to operations when appropriated by the Trustees. The excess of announced grants and expenditures over income for the year is deducted from the principal fund.

The principal fund balance at January 1, 1972 reflects the changes described above as follows:

Principal fund—January 1, 1972 as previously reported	$298,021,161
Reflection of marketable securities at quoted market value at January 1, 1972	442,991,831
Accrual of investment income and expenses	1,343,123
Deferral of recognition of an obligation until grants are announced and released for specific grantees and until program costs and general administrative expenses are incurred	41,756,876
Provision for deferred federal excise tax	(5,453,725)
Principal fund—January 1, 1972 as restated	$778,659,266

Federal excise tax on net investment income and realized tax basis gains on securities transactions is accrued as incurred. Deferred federal excise tax arises principally from differences in the tax basis and the market value of marketable securities.

2. *Federal excise tax*

The Foundation qualifies as a tax-exempt organization under Section 501(c)(3) of the Internal Revenue Code and accordingly is not subject to federal income tax. However, the Foundation is classified as a private foundation and as such, under the Tax Reform Act of 1969, is subject to a 4 percent excise tax on net investment income including dividends, interest, and net realized gains on securities transactions, reduced by related expenses. Not less than the fair market value at December 31, 1969 of securities owned at that date shall be used as the basis for determining taxable gains on subsequent sales of such securities. Accordingly, $37,461,716 of the 1973 and $24,350,297 of the 1972 gains on disposition of securities were subject to federal excise tax. The basis for calculating taxable gains of securities held at December 31, 1973 is $746,731,721.

3. *Pension plan*

The Foundation has a non-contributory pension plan for all full-time salaried employees who have attained the age of 40 or are at least 25 years old with one year's service. It is the Foundation's policy to fund all current pension obligations as incurred and to amortize unfunded past service costs over a period of ten years. Plan costs, including charges for current service and amortization of unfunded prior service costs, amounted to $885,970 in 1973 and $787,115 in 1972.

At December 31, 1973 the present value of premiums payable through March 1, 1979 to complete the purchase of annuities for personnel who retired prior to July 1, 1966 was approximately $800,000.

4. *Appropriations and expenditures*

Appropriations and expenditures for the year are summarized as follows:

	TOTAL APPROPRIATED	ANNOUNCED AND RELEASED	APPROPRIATED BUT NOT RELEASED
Balance, January 1, 1973	$ 89,204,660	$ 45,366,080	$ 43,838,580
Appropriations by the Trustees	44,032,500	16,430,447	27,602,053
Less lapses and refunds	(891,389)	(498,510)	(392,879)
Released from prior years' appropriations	—	28,208,944	(28,208,944)
Expenditures for grants, program costs and general administrative expenses	(44,736,594)	(44,736,594)	—
Balance, December 31, 1973	$ 87,609,177	$ 44,770,367	$ 42,838,810

SUMMARY OF TRANSACTIONS IN MARKETABLE SECURITIES

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

	LEDGER AMOUNT	MARKET VALUE
Balance, January 1, 1973	$ 463,582,121	$ 967,972,327
Acquisitions and increases:		
Purchased	583,393,247	583,393,247
Ledger amount increased by	7,016	7,016
	1,046,982,384	1,551,372,590
Dispositions and decreases:		
Sold	318,485,970	413,175,914
Redeemed at maturity	192,348,708	192,400,075
Ledger amount decreased by	6,788	6,788
Amortization of bond premiums	21,826	21,826
Depreciation of market value	—	115,981,828
	510,863,292	721,586,431
Balance, December 31, 1973	$ 536,119,092	$ 829,786,159

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

PURCHASED:		LEDGER AMOUNT
$162,627,000	U.S. Treasury Obligations (under Repurchase Agreements)	$162,627,000
1,830,000	U.S. Treasury Bills	1,824,814
	Certificates of Deposit:	
	Under Repurchase Agreements:	
10,000,000	Bankers Trust Company	10,000,000
5,000,000	Chase Manhattan Bank	5,000,000
2,000,000	Chemical Bank	2,000,000
25,500,000	First National City Bank	25,500,000
4,000,000	Bank of Montreal	4,000,000
1,000,000	Bank of Nova Scotia	1,000,000
4,500,000	Bankers Trust Company	4,500,000
69,563,000	Chase Manhattan Bank	69,563,000
5,000,000	Chemical Bank	5,000,000
5,495,000	First National City Bank	5,495,000
3,000,000	First National City Bank (International—Chicago)	3,000,000
9,165,000	Irving Trust Company	9,165,000
2,200,000	Manufacturers Hanover Trust Company	2,200,000
7,000,000	Royal Bank of Canada	7,000,000
965,000	Security National Bank	965,000

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *continued*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

PURCHASED: *continued*		LEDGER AMOUNT
	Corporate Obligations:	
	Notes:	
	American Brands, Inc.	
$ 1,400,000	1-7-74	$ 1,387,867
1,370,000	1-17-74	1,355,720
	Avis Rent-A-Car System, Inc.	
2,000,000	11-16-73	1,987,333
2,000,000	12-26-73	1,983,750
1,000,000	1-31-74	990,156
1,000,000	Campbell Soup Company—11-27-73	992,851
200,000	Carolina Power & Light Company—5-29-73	198,701
600,000	Central Hudson Gas & Electric Company—2-7-73	598,031
5,600,000	Chase Manhattan Bank—3-7-73	5,600,000
500,000	Cincinnati Bell Inc.—4-16-73	496,615
	Clark Equipment Credit Corporation	
1,000,000	11-1-73	997,625
1,000,000	11-14-73	994,118
2,000,000	Cleveland Electric Illuminating Company—11-30-73	1,979,944
	CNA Nuclear Leasing, Inc.	
2,000,000	12-11-73	1,973,799
2,000,000	1-30-74	1,980,556
	Commercial Credit Corporation	
3,000,000	12-18-73	3,000,000
3,000,000	12-31-73	3,000,000
	Commonwealth Edison Company	
400,000	4-17-73	397,644
1,200,000	1-21-74	1,188,625
1,000,000	Crown Cork & Seal Company, Inc.—12-10-73	990,250
2,000,000	Diamond Shamrock Corporation—1-15-74	1,978,604
	Ford Motor Credit Company	
2,460,000	12-20-73	2,442,473
3,000,000	12-21-73	3,000,000
3,000,000	1-8-74	3,000,000
	General Electric Credit Corporation	
200,000	4-20-73	200,000
2,500,000	12-4-73	2,500,000
1,000,000	General Mills, Inc.—1-28-74	987,542
600,000	General Telephone of California—3-1-73	596,071
500,000	General Telephone of Kentucky—10-31-73	499,089
2,000,000	General Telephone & Electronics Corporation—12-19-73	1,982,125
	General Telephone Company of the Southeast	
500,000	3-12-73	497,193
400,000	3-26-73	397,446
2,000,000	Goodyear Tire & Rubber Company—12-18-73	1,982,354
2,050,000	Gulf Oil Financial Corporation—1-23-74	2,027,120
	Hawaiian Telephone Company	
500,000	2-16-73	498,047
300,000	5-11-73	298,396
2,360,000	INA Corporation—1-25-74	2,361,154
2,700,000	Ingersoll-Rand—1-29-74	2,670,375

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *continued*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

PURCHASED: *continued*		LEDGER AMOUNT
	Corporate Obligations: *continued*	
	Notes: *continued*	
	International Harvester Credit Corporation	
$ 2,200,000	11-2-73	$ 2,200,000
3,000,000	12-14-73	3,000,000
3,000,000	1-2-74	3,000,000
	ITT Aetna Corporation	
2,000,000	11-27-73	1,981,528
1,000,000	12-27-73	991,875
1,000,000	1-16-74	989,594
2,000,000	Jewel Company, Inc.—11-20-73	1,985,028
2,000,000	Kresge (S. S.) Company—11-2-73	1,989,444
500,000	Long Island Lighting Company—6-26-73	497,724
2,000,000	Macy Credit Corporation—11-2-73	1,994,722
2,900,000	Mississippi Power & Light Company—1-18-74	2,869,339
500,000	Missouri Public Service Company—1-26-73	498,358
	Montgomery Ward Credit Corporation	
3,000,000	12-20-73	3,000,000
3,000,000	1-4-74	3,000,000
2,000,000	Nabisco Company—11-26-73	1,982,292
300,000	New Jersey Bell Telephone Company—7-9-73	298,284
	Northeast Utilities	
200,000	4-25-73	198,854
300,000	6-12-73	298,100
450,000	Northwestern Bell Telephone Company—11-19-73	446,081
500,000	Ohio Bell Telephone Company—4-13-73	497,167
500,000	Pacific Telephone & Telegraph Company—5-9-73	496,849
	Penney (J. C.) Financial Corporation	
3,000,000	12-19-73	3,000,000
3,000,000	1-3-74	3,000,000
200,000	Philadelphia Electric Company—2-1-73	199,568
	Philip Morris, Inc.	
2,000,000	11-7-73	1,992,188
3,000,000	12-28-73	2,986,833
1,200,000	1-3-74	1,190,054
1,950,000	1-22-74	1,928,604
2,200,000	Potomac Electric Power Company—1-2-74	2,180,338
300,000	Public Service Company of Colorado—2-16-73	298,994
2,000,000	Reliance Electric Company—12-7-73	1,976,562
1,250,000	Rockwell International Corporation—12-14-73	1,236,693
1,135,000	Ryder Truck Rental, Inc.—12-3-73	1,127,709
2,000,000	Scovill Manufacturing Company—12-13-73	1,979,158
	Seagram (J. E.) & Sons, Inc.	
2,490,000	12-12-73	2,464,477
2,000,000	1-24-74	1,979,701
	Sears Roebuck Acceptance Corporation	
2,500,000	12-4-73	2,500,000
3,000,000	12-26-73	3,000,000
3,000,000	1-9-74	3,000,000

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *continued*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

PURCHASED: *continued*		LEDGER AMOUNT
	Corporate Obligations: *concluded*	
	Notes: *concluded*	
	Singer Credit Corporation	
$ 3,000,000	12-17-73	$ 3,000,000
3,000,000	1-2-74	3,000,000
400,000	Southern Bell Telephone & Telegraph Company—3-16-73	397,574
500,000	Southwestern Bell Telephone Company—5-9-73	497,937
	Trans Union Corporation	
600,000	12-6-73	595,156
1,000,000	12-17-73	991,177
1,800,000	Travelers Insurance Corporation—2-11-74	1,771,090
1,200,000	Tucson Gas & Electric Company—1-4-74	1,189,796
830,000	Uniroyal, Inc.—12-5-73	821,815
500,000	Virginia Electric & Power Company—1-22-73	499,030
1,200,000	Woolworth (F. W.)—12-4-73	1,189,350
	Bonds:	
2,000,000	Avco Financial Services 8.35%—11-15-98	2,000,000
250,000	Chesapeake & Potomac Telephone Company 7.75%—11-1-13	242,500
2,750,000	Chrysler Financial Corporation 8%—11-1-98	2,714,062
500,000	CIT Financial Corporation 7.625%—12-1-81	501,250
3,000,000	Commonwealth Edison Company 8%—10-15-03	2,996,875
1,000,000	Consumers Power Company 8.125%—8-1-01	1,013,670
500,000	Crown Zellerbach Corporation 8.875%—3-15-2000	533,750
3,500,000	Duke Power Company 8.125%—11-1-03	3,448,750
500,000	Eaton Corporation 7.875% —12-1-81	500,000
750,000	General Motors Acceptance Corporation 7.85%—11-1-98	751,114
450,000	General Motors Acceptance Corporation 8%—5-1-93	461,250
500,000	Heinz (H. J.) Company 7.25%—8-1-97	474,620
1,750,000	Illinois Bell Telephone Company 8%—12-10-04	1,750,000
500,000	Indiana & Michigan Electric Company 8.375%—12-1-03	506,900
1,250,000	New England Telephone & Telegraph Company 8%—11-15-03	1,240,625
1,250,000	New England Telephone & Telegraph Company 8.20%—6-1-04	1,285,625
750,000	Northern Indiana Public Service Company 8.125%—7-15-03	764,236
500,000	Ohio Edison Company 8.125%—9-1-03	510,000
500,000	Pacific Gas & Electric Company 7.75%—12-1-05	485,625
500,000	Pacific Telephone & Telegraph Company 7.625%—6-1-09	479,900
500,000	Pacific Telephone & Telegraph Company 5.125%—8-1-80	436,915
500,000	Searle (G. D.) & Company 7.5%—12-1-80	501,750
500,000	Sun Oil Company 7.125%—5-1-02	470,625
500,000	Texaco Inc. 7.75%—6-1-01	500,000
1,000,000	Travelers Insurance Corporation 8.70%—8-1-95	1,040,000
	Stocks:	
2,740	shares Air Products & Chemicals, Inc.	199,942
30,000	" Allied Chemical Corporation	1,410,627
15,000	" Aluminum Company of America	1,027,875

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *continued*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

PURCHASED: *continued*			LEDGER AMOUNT
	Stocks: *continued*		
10,000	shares	American Airlines, Inc.	$ 202,366
71,000	"	American Electric Power Company, Inc.	1,884,771
9,500	"	American Express Company	586,850
19,000	"	American Metal Climax, Inc.	668,604
30,000	"	American Telephone & Telegraph Company	1,552,077
4,400	"	Avon Products, Inc.	394,609
40,000	"	Bethlehem Steel Corporation	1,373,728
2,500	"	Black & Decker Manufacturing Company	246,568
3,000	"	Burroughs Corporation	683,168
15,000	"	Capital Cities Communications, Inc.	741,991
60,000	"	Centex Corporation	1,007,534
5,000	"	Central & South West Corporation	222,950
31,700	"	Cessna Aircraft Company	803,690
26,000	"	Chicago Bridge & Iron Company	1,828,547
8,800	"	Clorox Company	240,869
19,800	"	Coca-Cola Company	2,760,616
25,000	"	Coleco Industries, Inc.	432,852
9,000	"	Columbia Broadcasting System, Inc.	384,663
54,500	"	Communications Satellite Corporation	2,683,603
20,000	"	Deere & Company	1,278,997
74,600	"	Delta Airlines, Inc.	3,870,857
4,000	"	ERC Corporation	184,195
16,000	"	Farmers New World Life Insurance	926,061
52,400	"	Federal National Mortgage Association	769,182
5,167	"	Fiduciary Growth Associates, Inc.	589,676
5,000	"	Ford Motor Company	356,767
15,600	"	Gannett Company, Inc.	532,548
10,000	"	Getty Oil Company	1,123,360
30,000	"	Gillette Company	1,521,512
16,000	"	Hanna Mining Company	461,200
12,500	"	Household Finance Corporation	351,910
38,000	"	Industrial Nucleonics Corporation	1,251,152
40,000	"	Ingersoll-Rand Company	2,561,632
7,875	"	International Business Machines Corporation	2,676,434
14,000	"	International Flavors & Fragrances, Inc.	1,153,997
17,000	"	International Harvester Company	546,417
36,000	"	International Minerals & Chemical Corporation	1,270,965
10,000	"	International Telephone & Telegraph Corporation	324,766
45,400	"	Johnson & Johnson	5,317,725
57,000	"	Kaiser Aluminum & Chemical Corporation	1,168,865
31,400	"	Kresge (S. S.) Company	1,206,172
29,800	"	Lilly (Eli) & Company	2,352,784

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *continued*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

PURCHASED: *concluded*			LEDGER AMOUNT
	Stocks: *concluded*		
10,000	shares	Louisiana Land & Exploration Company	$ 362,626
40,800	"	Louisiana Pacific Corporation	1,454,362
10,000	"	MAPCO Inc.	291,722
23,700	"	McDermott (J. Ray) & Company, Inc.	1,429,183
30,700	"	McDonald's Corporation	2,036,699
2,000	"	Merck & Company, Inc.	165,149
5,000	"	Morton-Norwich Products, Inc.	161,012
5,000	"	North Carolina National Bank Corporation	177,250
12,500	"	Pacific Gas & Electric Company	351,958
15,500	"	Parker-Hannifin Corporation	494,608
1,500	"	Perkin-Elmer Corporation	52,367
16,500	"	Polaroid Corporation	1,927,596
38,000	"	PPG Industries, Inc.	1,643,948
100,200	"	Procter & Gamble Company	10,685,071
6,100	"	Raychem Corporation	1,383,850
500	"	Research-Cottrell, Inc.	30,668
5,000	"	Reynolds (R. J.) Industries, Inc.	217,191
35,200	"	Ryder System, Inc.	1,233,161
16,300	"	Sears, Roebuck & Company	1,624,158
30,000	"	Southland Corporation	613,200
5,000	"	Standard Brands Paint Company	183,592
89,300	"	Stauffer Chemical Company	4,014,494
25,000	"	Sun Oil Company Cumulative Convertible Preferred	1,022,872
22,000	"	Texas Eastern Transmission	1,199,003
500	"	Texas Instruments Inc.	78,363
20,000	"	UAL, Inc.	508,094
25,000	"	Union Oil of California	1,082,070
10,000	"	U. S. Leasing International, Inc.	266,844
59,800	"	Warner-Lambert Company	6,334,800
22,200	"	Weyerhaeuser Company	1,646,922
4,100	"	Xerox Corporation	631,394
10,000	"	Zale Corporation	282,823
			$583,393,247

OTHERWISE ACQUIRED:

Stock Dividends:

Shares	Issue	RATIO	RECORD DATE
260	Air Products & Chemicals, Inc.	2%	2-6-73
12,000	Disney (Walt) Productions	100%	12-6-72
1,664	Evans Products Company	4%	5-1-73
1,125	Marriott Corporation	2½%	3-23-73
768.75	Norton Simon, Inc.	2½%	11-12-73
900	Southland Corporation	3%	11-9-73

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *continued*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

OTHERWISE ACQUIRED: *concluded*

Stock Splits:

Shares	Issue	RATIO	RECORD DATE
15,500	Air Products & Chemicals, Inc.	2-for-1	4-23-73
227,000	American Home Products Corporation	3-for-1	4-25-73
19,000	AMP Inc.	3-for-1	5-7-73
30,000	Central & South West Corporation	2-for-1	4-30-73
30,000	Colgate-Palmolive Company	3-for-1	5-4-73
1,950	Corning Glass Works	2½-for-1	2-8-73
13,000	Dun & Bradstreet, Inc.	2-for-1	6-11-73
27,666.5	International Business Machines Corporation	5-for-4	5-10-73
12,500	McDonnell Douglas Corporation	5-for-4	4-30-73
146,600	Morgan (J. P.) & Company, Inc.	2-for-1	3-22-73
20,000	Robins (A. H.) Company, Inc.	2-for-1	4-19-73
10,000	Schering-Plough Corporation	2-for-1	5-4-73
81,650	Texas Instruments Inc.	2-for-1	4-30-73
10,000	Upjohn Company	2-for-1	5-25-73
97,900	Warner-Lambert Company	2-for-1	5-7-73
22,200	Weyerhaeuser Company	2-for-1	11-27-73

LEDGER AMOUNT INCREASED:

		LEDGER AMOUNT
Dreyfus Third Century Fund, Inc.	To reflect increase in commission charge upon expiration of letter of intent	$ 7,000
Safeco Corporation	Transfer charges	9
Stanley Home Products, Inc.	Transfer charges	7
		$ 7,016

SOLD:		PROCEEDS	LEDGER AMOUNT
$162,668,000	U. S. Treasury Obligations (under RP's)	$162,668,000	$162,668,000
1,370,000	U. S. Treasury Bills	1,365,280	1,365,280
	Certificates of Deposit:		
	Under Repurchase Agreements:		
10,000,000	Bankers Trust Company	10,000,000	10,000,000
5,000,000	Chase Manhattan Bank	5,000,000	5,000,000
2,000,000	Chemical Bank	2,000,000	2,000,000
21,500,000	First National City Bank	21,500,000	21,500,000
1,000,000	Chase Manhattan Bank	999,889	1,000,000
	Corporate Obligations:		
	Notes:		
200,000	General Electric Credit Corporation—4-20-73	200,000	200,000
	Bonds:		
250,000	Chesapeake & Potomac Telephone Company 7.75%—11-1-13	243,385	242,500

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *continued*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

SOLD: *continued*		PROCEEDS	LEDGER AMOUNT
	Corporate Obligations: *concluded*		
	Bonds: *concluded*		
$ 3,000,000	Commonwealth Edison Company 8%—10-15-03	$ 3,010,625	$ 2,996,875
3,000,000	Duke Power Company 8.125%—11-1-03	2,975,000	2,956,071
500,000	Eaton Corporation 7.875%—12-1-81	501,875	500,000
450,000	General Motors Acceptance Corporation 7.85%—11-1-98	456,885	450,000
100,000	General Motors Acceptance Corporation 8%—5-1-93	102,500	102,500
1,250,000	New England Telephone & Telegraph Company 8%—11-15-03	1,271,413	1,240,625
500,000	Ohio Edison Company 8.125%—9-1-03	506,960	510,000
500,000	Sun Oil Company 7.125%—5-1-02	466,975	470,625
	Stocks:		
6,000	shares Air Products & Chemicals, Inc.	256,909	196,586
5,000	" American Broadcasting Companies, Inc.	289,941	360,659
20,000	" American District Telegraph Company	1,133,704	1,156,006
18,300	" American Electric Power Company, Inc.	510,056	395,165
5,000	" American Express Company	346,250	231,736
3,000	" American Home Products Corporation	125,212	43,070
15,000	" Armstrong Rubber Company	403,086	615,320
56,500	" Avon Products, Inc.	5,848,989	5,214,783
29,000	" Bristol-Myers Company	2,049,961	1,729,993
200,000	" Burlington Industries, Inc.	5,874,839	7,601,479
36,700	" Burroughs Corporation	8,604,178	3,736,258
16,000	" Clorox Company	213,203	600,385
15,000	" CMI Investment Corporation	472,041	977,618
15,000	" Coastal States Gas Producing Company	245,855	763,763
56,000	" Coca-Cola Company	6,959,513	6,165,924
50,000	" Colgate-Palmolive Company	1,774,004	862,655
48,800	" Columbia Broadcasting System, Inc.	1,541,609	2,298,412
20,000	" Commonwealth Edison Company	661,260	698,644
8,950	" Corning Glass Works	2,020,839	1,412,920
35,000	" Dexter Corporation	609,192	774,217
108,700	" Diamond International Corporation	3,247,760	4,944,997
24,000	" Disney (Walt) Productions	1,885,839	1,861,523
26,000	" Dun & Bradstreet, Inc.	921,094	910,396
7,000	" DuPont (E. I.) de Nemours & Company	1,213,311	1,306,778
69,800	" Eastman Kodak Company	8,595,851	2,301,856
43,264	" Evans Products Company	682,338	1,046,019
481,500	" Exxon Corporation	45,040,802	2,399,731
37,600	" Ford Motor Company	2,042,317	1,785,407
25,300	" General Electric Company	1,619,492	778,868

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *continued*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

SOLD: *continued*			PROCEEDS	LEDGER AMOUNT
	Stocks: *continued*			
28,200	shares	General Motors Corporation	$ 1,839,009	$ 1,519,925
96,500	"	Hanna Mining Company	5,090,799	2,724,093
10,200	"	Hewlett-Packard Company	848,985	435,756
23,000	"	Houston Lighting & Power Company	1,123,796	1,015,049
5,000	"	Ingersoll-Rand Company	397,480	282,419
800.5	"	International Business Machines Corporation	227,766	78,948
50,400	"	International Harvester Company	1,456,605	1,625,032
121,450	"	International Nickel Co. of Canada, Ltd.	3,992,154	2,363,139
90,000	"	International Paper Company	4,194,991	1,624,824
11,000	"	International Telephone & Telegraph Corporation Cumulative Convertible Preferred "K"	635,494	1,027,616
51,450	"	International Telephone & Telegraph Corporation	1,728,493	1,475,759
33,200	"	Kresge (S. S.) Company	1,395,108	740,581
5,000	"	MAPCO Inc.	149,035	112,491
311,282	"	Marathon Oil Company	11,020,863	2,719,439
30,000	"	Marlennan Corporation	1,247,268	1,701,856
46,125	"	Marriott Corporation	1,287,548	1,353,058
55,000	"	McDonnell Douglas Corporation	935,423	1,744,849
8,800	"	Merck & Company, Inc.	807,437	401,419
13,400	"	Minnesota Mining & Manufacturing Company	1,104,047	447,425
44,000	"	Mobil Oil Corporation	3,287,875	570,398
36,000	"	Morgan (J. P.) & Company, Inc.	2,564,141	1,537,368
29,500	"	Morton-Norwich Products, Inc.	410,289	911,194
10,000	"	Nashua Corporation	514,232	493,183
31,518	"	Norton Simon, Inc.	703,357	1,013,542
5,000	"	Perkin-Elmer Corporation	176,250	163,593
15,000	"	Pinkerton's Inc. Class "B"	750,750	1,196,404
58,400	"	Polaroid Corporation	7,820,954	6,390,895
4,000	"	Procter & Gamble Company	408,487	417,513
20,000	"	Ralston Purina Company	831,750	773,703
20,000	"	Reece Corporation	370,175	600,152
1,600	"	Reynolds & Reynolds Company	63,446	54,338
7,500	"	Robins (A. H.)Company, Inc.	238,723	176,719
40,000	"	Rohr Industries, Inc.	572,448	1,077,272
20,000	"	Rouse Company	275,000	605,000
45,000	"	Sav-A-Stop, Inc.	276,797	893,250
11,200	"	Sears, Roebuck & Company	1,114,009	875,450
11,000	"	SEDCO, Inc.	444,052	602,922
13,200	"	Snap-On Tools Corporation	640,200	417,395
195,200	"	Standard Oil Company (Indiana)	17,310,755	1,384,428

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *continued*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

SOLD: *concluded*		PROCEEDS	LEDGER AMOUNT
	Stocks: *concluded*		
5,800	shares Tandy Corporation	$ 266,846	$ 248,015
22,000	" Texas Eastern Transmission	999,060	1,199,003
99,500	" Texas Instruments Inc.	12,148,352	5,002,663
15,000	" Upjohn Company	1,644,919	610,804
26,200	" Warner-Lambert Company	1,065,581	1,297,944
2,200	" Xerox Corporation	336,933	205,500
		$413,175,914	$318,485,970

REDEEMED AT MATURITY:		PROCEEDS	LEDGER AMOUNT
$ 460,000	U.S. Treasury Bills	$ 459,533	$ 459,533
1,000,000	U.S. Treasury Bonds 4⅛%—11-15-73	1,000,000	952,813
	Certificates of Deposit:		
4,000,000	Bank of Montreal	4,000,000	4,000,000
7,500,000	Bankers Trust Company	7,581,581	7,577,401
66,929,000	Chase Manhattan Bank	66,929,000	66,929,000
6,495,000	First National City Bank	6,495,000	6,495,000
3,165,000	Irving Trust Company	3,165,000	3,165,000
2,200,000	Manufacturers Hanover Trust Company	2,200,000	2,200,000
4,000,000	Royal Bank of Canada	4,000,000	4,000,000
1,585,000	Security National Bank	1,585,000	1,585,000
	Corporate Obligations:		
	Notes:		
	Avis Rent-A-Car System, Inc.		
2,000,000	11-16-73	1,987,333	1,987,333
2,000,000	12-26-73	1,983,750	1,983,750
1,000,000	Campbell Soup Company—11-27-73	992,851	992,851
200,000	Carolina Power & Light Company—5-29-73	198,701	198,701
600,000	Central Hudson Gas & Electric Company—2-7-73	598,031	598,031
5,600,000	Chase Manhattan Bank—3-7-73	5,600,000	5,600,000
500,000	Cincinnati Bell Inc.—4-16-73	496,615	496,615
	Clark Equipment Credit Corporation		
1,000,000	11-1-73	997,625	997,625
1,000,000	11-14-73	994,118	994,118
2,000,000	Cleveland Electric Illuminating Company—11-30-73	1,979,944	1,979,944
2,000,000	CNA Nuclear Leasing, Inc.—12-11-73	1,973,799	1,973,799
	Commercial Credit Corporation		
3,000,000	12-18-73	3,000,000	3,000,000
3,000,000	12-31-73	3,000,000	3,000,000
400,000	Commonwealth Edison Company—4-17-73	397,644	397,644
1,000,000	Crown Cork & Seal Company, Inc.—12-10-73	990,250	990,250
400,000	Florida Power & Light Company—1-17-73	398,440	398,440
	Ford Motor Credit Company		
2,460,000	12-20-73	2,442,473	2,442,473
3,000,000	12-21-73	3,000,000	3,000,000

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *continued*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

REDEEMED AT MATURITY: *continued*		PROCEEDS	LEDGER AMOUNT
	Notes: *continued*		
$ 2,500,000	General Electric Credit Corporation—12-4-73	$ 2,500,000	$ 2,500,000
600,000	General Telephone of California—3-1-73	596,071	596,071
500,000	General Telephone of Kentucky—10-31-73	499,089	499,089
2,000,000	General Telephone & Electronics Corporation—12-19-73	1,982,125	1,982,125
	General Telephone Company of the Southeast		
500,000	3-12-73	497,193	497,193
400,000	3-26-73	397,446	397,446
2,000,000	Goodyear Tire & Rubber Company—12-18-73	1,982,354	1,982,354
	Hawaiian Telephone Company		
400,000	1-5-73	398,292	398,292
300,000	1-9-73	298,847	298,847
500,000	2-16-73	498,047	498,047
300,000	5-11-73	298,396	298,396
	International Harvester Credit Corporation		
2,200,000	11-2-73	2,200,000	2,200,000
3,000,000	12-14-73	3,000,000	3,000,000
	ITT Aetna Corporation		
2,000,000	11-27-73	1,981,528	1,981,528
1,000,000	12-27-73	991,875	991,875
2,000,000	Jewel Company, Inc.—11-20-73	1,985,028	1,985,028
2,000,000	Kresge (S. S.) Company—11-2-73	1,989,444	1,989,444
500,000	Long Island Lighting Company—6-26-73	497,724	497,724
2,000,000	Macy Credit Corporation—11-2-73	1,994,722	1,994,722
500,000	Missouri Public Service Company—1-26-73	498,358	498,358
3,000,000	Montgomery Ward Credit Corporation—12-20-73	3,000,000	3,000,000
2,000,000	Nabisco Company—11-26-73	1,982,292	1,982,292
300,000	New Jersey Bell Telephone Company—7-9-73	298,284	298,284
	Northeast Utilities		
200,000	4-25-73	198,854	198,854
300,000	6-12-73	298,100	298,100
450,000	Northwestern Bell Telephone Company—11-19-73	446,081	446,081
500,000	Ohio Bell Telephone Company—4-13-73	497,167	497,167
500,000	Pacific Telephone & Telegraph Company—5-9-73	496,849	496,849
3,000,000	Penney (J. C.) Financial Corporation—12-19-73	3,000,000	3,000,000
200,000	Philadelphia Electric Company—2-1-73	199,568	199,568
	Philip Morris, Inc.		
2,000,000	11-7-73	1,992,188	1,992,188
3,000,000	12-28-73	2,986,833	2,986,833
300,000	Public Service Company of Colorado—2-16-73	298,994	298,994
2,000,000	Reliance Electric Company—12-7-73	1,976,562	1,976,562
1,250,000	Rockwell International Corporation—12-14-73	1,236,693	1,236,693
1,135,000	Ryder Truck Rental, Inc.—12-3-73	1,127,709	1,127,709

SCHEDULE OF TRANSACTIONS IN MARKETABLE SECURITIES *concluded*

FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 1973

REDEEMED AT MATURITY: *concluded*		PROCEEDS	LEDGER AMOUNT
	Notes: *concluded*		
$ 2,000,000	Scovill Manufacturing Company—12-13-73	$ 1,979,158	$ 1,979,158
2,490,000	Seagram (J. E.) & Sons, Inc.—12-12-73	2,464,477	2,464,477
	Sears Roebuck Acceptance Corporation		
2,500,000	12-4-73	2,500,000	2,500,000
3,000,000	12-26-73	3,000,000	3,000,000
3,000,000	Singer Credit Corporation—12-17-73	3,000,000	3,000,000
400,000	Southern Bell Telephone & Telegraph Company—3-16-73	397,574	397,574
500,000	Southwestern Bell Telephone Company—5-9-73	497,937	497,937
	Trans Union Corporation		
600,000	12-6-73	595,156	595,156
1,000,000	12-17-73	991,177	991,177
830,000	Uniroyal, Inc.—12-5-73	821,815	821,815
	Virginia Electric & Power Company		
900,000	1-9-73	895,000	895,000
500,000	1-22-73	499,030	499,030
1,200,000	Woolworth (F. W.)—12-4-73	1,189,350	1,189,350
		$192,400,075	$192,348,708

LEDGER AMOUNT REDUCED:		PROCEEDS	LEDGER AMOUNT
54,300	shares American Electric Power Company by cash received for 54,300 rights American Electric Power Company	$ 6,787	$ 6,787
10	" Pacific Gas & Electric Company by cash received for 10 rights Pacific Gas & Electric Company	1	1
		$ 6,788	$ 6,788

SCHEDULE OF MARKETABLE SECURITIES

DECEMBER 31, 1973

FIXED INCOME SECURITIES	LEDGER AMOUNT	QUOTED MARKET VALUE
U.S. Government Obligations	$ 5,734,000	$ 5,734,000
Certificates of Deposit	39,033,000	39,033,000
Corporate Obligations	66,142,130	66,244,808
	110,909,130	111,011,808
CONVERTIBLE BONDS	5,227,847	3,492,735
OTHER INVESTMENT	862,500	862,500
PREFERRED STOCK	1,022,872	1,265,625
COMMON STOCKS	418,096,743	713,153,491
TOTAL	$536,119,092	$829,786,159

SCHEDULE OF MARKETABLE SECURITIES *continued*

DECEMBER 31, 1973

FIXED INCOME SECURITIES:	PAR	LEDGER AMOUNT	QUOTED MARKET VALUE
U.S. Government Obligations:			
Under Repurchase Agreement			
Bonds			
5-15-98	$ 5,734,000	$ 5,734,000	$ 5,734,000
Certificates of Deposit:			
Under Repurchase Agreement			
First National City Bank			
9.50%—2-13-74	4,000,000	4,000,000	4,000,000
Bank of Nova Scotia			
9.75%—1-2-74	1,000,000	1,000,000	1,000,000
Chase Manhattan Bank			
9.80%—1-4-74	1,000,000	1,000,000	1,000,000
9.40%—1-7-74	600,000	600,000	600,000
9.625%—1-7-74	1,000,000	1,000,000	1,000,000
8.875%—1-14-74	1,000,000	1,000,000	1,000,000
9.625%—1-14-74	565,000	565,000	565,000
9.85%—1-14-74	220,000	220,000	220,000
9.875%—1-14-74	720,000	720,000	720,000
9.0%—1-21-74	1,000,000	1,000,000	1,000,000
9.85%—1-21-74	500,000	500,000	500,000
9.75%—1-28-74	1,575,000	1,575,000	1,575,000
9.75%—2-1-74	853,000	853,000	853,000
9.05%—2-4-74	1,000,000	1,000,000	1,000,000
9.375%—3-11-74	3,000,000	3,000,000	3,000,000
9.0%—4-15-74	2,000,000	2,000,000	2,000,000
Chemical Bank			
10.75%—2-12-74	1,000,000	1,000,000	1,000,000
9.875%—1-21-74	1,000,000	1,000,000	1,000,000
9.70%—2-8-74	3,000,000	3,000,000	3,000,000
First National City Bank			
9.80%—1-2-74	2,000,000	2,000,000	2,000,000
First National City Bank (International—Chicago)			
9.875%—1-31-74	3,000,000	3,000,000	3,000,000
Irving Trust Company			
9.75%—2-15-74	3,000,000	3,000,000	3,000,000
9.875%—2-4-74	3,000,000	3,000,000	3,000,000
Royal Bank of Canada			
9.875%—1-10-74	3,000,000	3,000,000	3,000,000
		39,033,000	39,033,000

SCHEDULE OF MARKETABLE SECURITIES *continued*

DECEMBER 31, 1973

FIXED INCOME SECURITIES: *continued*	PAR	LEDGER AMOUNT	QUOTED MARKET VALUE
Corporate Obligations:			
Notes			
American Brands, Inc.			
9.750%—1-7-74	$ 1,400,000	$ 1,387,867	$ 1,400,000
9.875%—1-17-74	1,370,000	1,355,720	1,370,000
Avis Rent-A-Car System, Inc.			
10.125%—1-31-74	1,000,000	990,156	1,000,000
CNA Nuclear Leasing, Inc.			
10.0%—1-30-74	2,000,000	1,980,556	2,000,000
Commonwealth Edison Company			
9.75%—1-21-74	1,200,000	1,188,625	1,200,000
Diamond Shamrock Corporation			
9.875%—1-15-74	2,000,000	1,978,604	2,000,000
Ford Motor Credit Company			
9.798%—1-8-74	3,000,000	3,000,000	3,000,000
General Mills, Inc.			
9.75%—1-28-74	1,000,000	987,542	1,000,000
Gulf Oil Financial Corporation			
9.80%—1-23-74	2,050,000	2,027,120	2,050,000
INA Corporation			
9.875%—1-25-74	2,390,000	2,361,154	2,390,000
Ingersoll-Rand			
9.875%—1-29-74	2,700,000	2,670,375	2,700,000
International Harvester Credit Corporation			
9.927%—1-2-74	3,000,000	3,000,000	3,000,000
ITT Aetna Corporation			
10.125%—1-16-74	1,000,000	989,594	1,000,000
Mississippi Power & Light Company			
10.0%—1-18-74	2,900,000	2,869,389	2,900,000
Montgomery Ward Credit Corporation			
9.790%—1-4-74	3,000,000	3,000,000	3,000,000
Penney (J. C.) Financial Corporation			
9.790%—1-3-74	3,000,000	3,000,000	3,000,000
Philip Morris, Inc.			
9.625%—1-3-74	1,200,000	1,190,054	1,200,000
9.875%—1-22-74	1,950,000	1,928,604	1,950,000
Potomac Electric Power Company			
9.75%—1-2-74	2,200,000	2,180,337	2,200,000
Seagram (J. E.) & Sons, Inc.			
9.875%—1-24-74	2,000,000	1,979,701	2,000,000
Sears Roebuck Acceptance Corporation			
9.661%—1-9-74	3,000,000	3,000,000	3,000,000
Singer Credit Corporation			
9.919%—1-2-74	3,000,000	3,000,000	3,000,000
Travelers Insurance Corporation			
9.80%—2-11-74	1,800,000	1,771,090	1,800,000
Tucson Gas & Electric Company			
9.875%—1-4-74	1,200,000	1,189,796	1,200,000

SCHEDULE OF MARKETABLE SECURITIES *continued*

DECEMBER 31, 1973

FIXED INCOME SECURITIES: *concluded*	PAR	LEDGER AMOUNT	QUOTED MARKET VALUE
Corporate Obligations: concluded			
Bonds			
Avco Financial Services 8.35%—11-15-98	$ 2,000,000	$ 2,000,000	$ 2,007,400
Chrysler Financial Corporation 8.0%—11-1-98	2,750,000	2,714,062	2,608,925
CIT Financial Corporation 7.625%—12-1-81	500,000	501,250	499,270
Consumers Power Company 8.125%—8-1-01	1,000,000	1,013,670	1,012,500
Crown Zellerbach Corporation 8.875%—3-15-2000	500,000	533,750	520,625
Duke Power Company 8.125%—11-1-03	500,000	492,679	492,500
General Motors Acceptance Corporation 8.0%—5-1-93 7.85%—11-1-98 5.0%—8-15-77	350,000 300,000 1,000,000	358,750 301,114 975,000	355,250 299,625 915,000
Heinz (H. J.) Company 7.25%—8-1-97	500,000	474,620	472,500
Illinois Bell Telephone Company 8.0%—12-10-04	1,750,000	1,750,000	1,750,000
Indiana & Michigan Electric Company 8.375%—12-1-03	500,000	506,900	498,640
New England Telephone & Telegraph Company 8.20%—6-1-04	1,250,000	1,285,625	1,268,750
Northern Indiana Public Service Company 8.125%—7-15-03	750,000	764,236	752,093
Pacific Gas & Electric Company 7.75%—12-1-05	500,000	485,625	492,500
Pacific Telephone & Telegraph Company 5.125%—8-1-80 7.625%—6-1-09	500,000 500,000	436,915 479,900	430,985 475,625
Searle (G. D.) & Company 7.50%—12-1-80	500,000	501,750	489,495
Texaco Inc. 7.75%—6-1-01	500,000	500,000	499,375
Travelers Insurance Corporation 8.70%—8-1-95	1,000,000	1,040,000	1,043,750
		66,142,130	66,244,808
TOTAL FIXED INCOME SECURITIES		$110,909,130	$111,011,808

SCHEDULE OF MARKETABLE SECURITIES *continued*

DECEMBER 31, 1973

CONVERTIBLE BONDS	PAR	LEDGER AMOUNT	QUOTED MARKET VALUE
Federal National Mortgage Association 4 3/8%—10-1-96	$ 1,500,000	$ 1,751,711	$ 1,372,500
Fischbach & Moore, Inc. 4 3/4%—4-3-97	800,000	837,272	765,000
W. T. Grant Company 4 3/4%—4-15-96	2,300,000	2,416,864	1,035,000
Xerox Corporation 6%—11-1-95	222,000	222,000	320,235
TOTAL CONVERTIBLE BONDS		$ 5,227,847	$ 3,492,735

OTHER INVESTMENT	LEDGER AMOUNT	ESTIMATED FAIR VALUE
1.725% of "Lambert Contract" covering royalties on sales of Listerine	$ 862,500	$ 862,500

PREFERRED STOCK	SHARES	LEDGER AMOUNT	QUOTED MARKET VALUE
Sun Oil Company Cumulative Convertible Preferred	25,000	$ 1,022,872	$ 1,265,625

COMMON STOCKS			
Air Products & Chemicals, Inc.	25,000	819,109	1,000,000
Allied Chemical Corporation	30,000	1,410,627	1,470,000
Allied Maintenance Corporation	25,000	841,626	475,000
Aluminum Company of America	15,000	1,027,875	1,091,250
American Airlines, Inc.	61,500	2,411,777	530,438
American Cyanamid Company	198,600	7,133,763	3,847,875
American Electric Power Company, Inc.	439,300	9,563,562	10,982,500
American Express Company	22,500	1,189,364	1,012,500
American Home Products Corporation	337,500	4,845,410	13,542,188
American Metal Climax, Inc.	19,000	668,604	973,750
American Telephone & Telegraph Company	217,000	7,636,624	10,877,125
AMP Inc.	28,500	763,155	1,107,937
Armstrong Cork Company	205,200	7,498,962	4,514,400
Avon Products, Inc.	58,200	5,361,871	3,710,250
BankAmerica Corporation	125,000	6,310,375	5,828,125
Beatrice Foods Company	200,000	4,989,666	4,275,000
Bethlehem Steel Corporation	40,000	1,373,728	1,320,000
Black & Decker Manufacturing Company	13,820	1,285,406	1,382,000
Block (H & R), Inc.	50,000	958,534	537,500
Bristol-Myers Company	180,000	10,737,885	8,325,000
Burroughs Corporation	64,600	6,624,975	13,461,025
Capital Cities Communications, Inc.	15,000	741,991	476,250
Carolina Power & Light Company	205,500	6,442,848	4,341,188

SCHEDULE OF MARKETABLE SECURITIES *continued*

DECEMBER 31, 1973

COMMON STOCKS: *continued*	SHARES	LEDGER AMOUNT	QUOTED MARKET VALUE
Centex Corporation	60,000	$ 1,007,534	$ 697,500
Central & South West Corporation	60,000	1,268,797	1,005,000
Cessna Aircraft Company	31,700	803,690	400,212
Champion International Corporation	205,200	7,437,516	3,360,150
Chicago Bridge & Iron Company	26,000	1,828,547	3,055,000
Clorox Company	14,000	525,337	190,750
Coca-Cola Company	23,300	2,565,749	2,947,450
Coleco Industries, Inc.	25,000	432,852	143,750
Columbia Broadcasting System, Inc.	206,041	9,704,245	5,279,801
Communications Satellite Corporation	54,500	2,683,603	2,098,250
Crown Cork & Seal Company, Inc.	40,000	908,357	910,000
Deere & Company	20,000	1,278,997	1,010,000
Delta Airlines, Inc.	74,600	3,870,857	2,984,000
Diamond International Corporation	38,100	1,733,251	1,071,563
Dreyfus Third Century Fund, Inc.	35,000	401,450	345,800
DuPont (E. I.) de Nemours & Company	49,400	9,222,116	7,854,600
Eastman Kodak Company	166,350	5,485,870	19,296,600
ERC Corporation	20,000	991,483	750,000
Exxon Corporation	1,756,500	8,754,158	165,330,562
Farmers New World Life Insurance Company	16,000	926,061	944,000
Federal National Mortgage Association	52,400	769,182	877,700
Fiduciary Growth Associates, Inc.	5,167	589,676	438,782
Firestone Tire & Rubber Company	305,000	7,096,102	4,155,625
Ford Motor Company	271,000	12,868,223	10,975,500
Gannett Company, Inc.	45,600	1,585,393	1,459,200
General Electric Company	328,600	10,116,048	20,701,800
General Motors Corporation	153,582	8,277,768	7,083,970
Getty Oil Company	10,000	1,123,360	1,600,000
Gillette Company	30,000	1,521,512	1,076,250
Grainger (W. W.), Inc.	30,000	760,238	1,038,750
Hall (Frank B.) & Company Inc.	20,000	576,125	247,500
Hanna Mining Company	33,500	945,670	1,708,500
Heublein, Inc.	20,000	1,059,149	997,500
Hewlett-Packard Company	85,800	3,665,481	6,939,075
Household Finance Corporation	50,000	1,650,125	981,250
Howard Johnson Company	200,000	5,192,659	2,325,000
I.M.S. International, Inc.	24,000	759,000	228,000
Industrial Nucleonics Corporation	38,000	1,251,152	779,000
Ingersoll-Rand Company	35,000	2,279,213	3,438,750
International Business Machines Corporation	142,107	14,038,043	35,064,902
International Flavors & Fragrances, Inc.	14,000	1,153,997	1,118,250
International Harvester Company	200,000	6,448,541	5,150,000
International Minerals & Chemical Corporation	36,000	1,270,965	1,354,500

SCHEDULE OF MARKETABLE SECURITIES *continued*

DECEMBER 31, 1973

COMMON STOCKS: *continued*	SHARES	LEDGER AMOUNT	QUOTED MARKET VALUE
International Paper Company	191,800	$ 3,462,680	$ 9,973,600
International Telephone & Telegraph Corporation	241,900	6,976,437	6,380,112
Johnson & Johnson	65,400	7,488,065	7,373,850
Joy Manufacturing Company	30,000	1,627,358	1,627,500
Kaiser Aluminum & Chemical Corporation	57,000	1,168,865	1,132,875
Kaufman & Broad, Inc.	97,000	4,721,394	1,127,625
Kerr-McGee Corporation	8,000	464,317	720,000
Kresge (S. S.) Company	257,300	5,945,821	8,426,575
Lenox, Inc.	25,500	775,957	656,625
Lilly (Eli) & Company	29,800	2,352,784	2,208,925
Louisiana Land & Exploration Company	30,000	1,265,863	1,537,500
Louisiana Pacific Corporation	40,800	1,454,362	1,734,000
Malone & Hyde, Inc.	35,000	1,121,484	695,625
MAPCO Inc.	45,000	1,012,422	2,317,500
McDermott (J. Ray) & Company, Inc.	23,700	1,429,183	2,535,900
McDonald's Corporation	30,700	2,036,699	1,749,900
McDonnell Douglas Corporation	7,500	237,934	110,625
Melville Shoe Corporation	30,000	876,002	326,250
Merck & Company, Inc.	193,000	8,877,765	15,584,750
Minnesota Mining & Manufacturing Company	194,550	6,496,016	15,174,900
Mobil Oil Corporation	453,000	5,872,505	24,009,000
Mogul Corporation	20,000	715,500	330,000
Morgan (J. P.) & Company, Inc.	267,200	8,930,105	18,436,800
North Carolina National Bank Corporation	5,000	177,250	197,500
Norton Simon, Inc.	.75	24	12
Owens-Corning Fiberglas Corporation	25,000	1,141,510	1,062,500
Pacific Gas & Electric Company	50,000	1,472,860	1,143,750
Parker-Hannifin Corporation	15,500	494,608	410,750
Perkin-Elmer Corporation	40,000	1,308,744	1,325,000
Polaroid Corporation	60,300	6,609,646	4,213,462
PPG Industries, Inc.	119,100	5,352,145	2,739,300
Procter & Gamble Company	116,200	12,128,765	10,690,400
Purolator, Inc.	20,000	885,240	605,000
Raychem Corporation	6,100	1,383,850	1,500,600
Research-Cottrell, Inc.	2,500	162,203	96,875
Reynolds (R. J.) Industries, Inc.	25,000	1,620,613	1,018,750
Reynolds & Reynolds Company	19,000	645,263	593,750
Robins (A. H.) Company, Inc.	32,500	765,781	617,500
Ryder System, Inc.	35,200	1,233,161	1,003,200
Safeco Corporation	13,000	556,311	528,125
Schering-Plough Corporation	20,000	983,063	1,420,000
Sears, Roebuck & Company	105,100	8,440,484	8,434,275

SCHEDULE OF MARKETABLE SECURITIES *concluded*

DECEMBER 31, 1973

COMMON STOCKS: *concluded*	SHARES	LEDGER AMOUNT	QUOTED MARKET VALUE
Southern Company	522,800	$ 12,001,033	$ 8,364,800
Southland Corporation	30,900	613,200	432,600
Standard Brands Paint Company	30,000	1,337,467	1,192,500
Standard Oil Company (Indiana)	729,000	5,170,330	75,633,750
Stanley Home Products, Inc.	12,000	549,007	204,000
Stauffer Chemical Company	113,900	5,097,915	4,641,425
Tandy Corporation	22,300	953,576	412,550
Texas Instruments Inc.	63,800	3,207,738	6,850,525
Texas Utilities Company	38,500	1,101,509	871,062
UAL, Inc.	60,000	2,344,402	1,372,500
Union Oil of California	25,000	1,082,070	1,256,250
U.S. Leasing International, Inc.	40,000	1,192,214	715,000
Upjohn Company	10,000	305,402	717,500
Warner-Lambert Company	169,600	8,401,961	6,338,800
Western Union Corporation	25,000	1,541,434	353,125
Weyerhaeuser Company	44,400	1,646,922	1,737,150
Xerox Corporation	122,700	11,511,133	15,061,425
Zale Corporation	50,000	1,902,562	731,250
TOTAL COMMON STOCKS		418,096,743	713,153,491
TOTAL STOCKS		$419,119,615	$714,419,116

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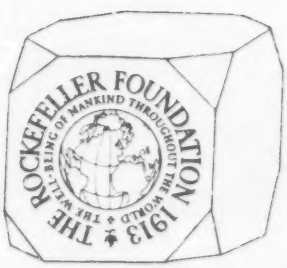
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